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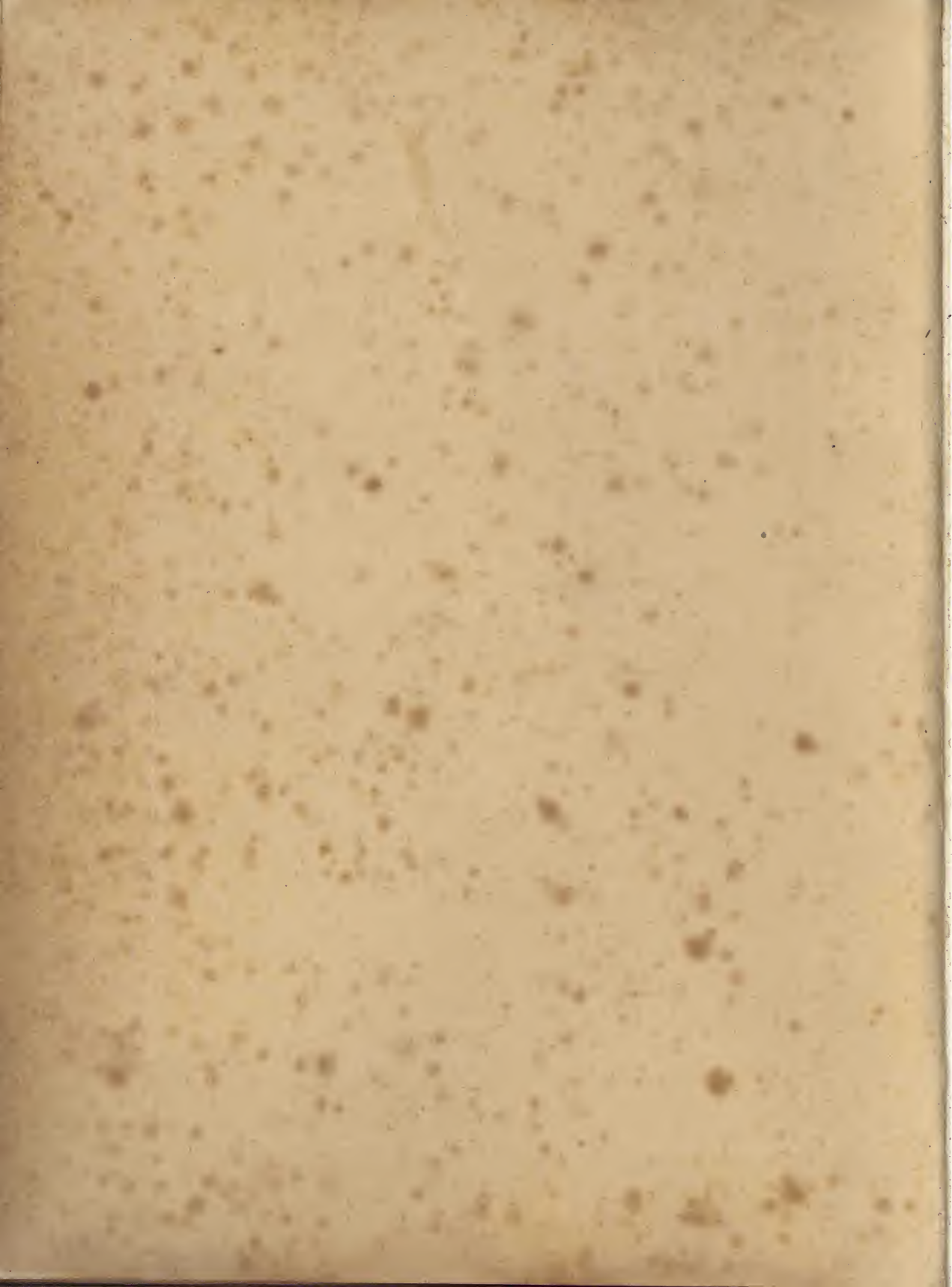
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GRAND RAPIDS SUPPLY CO.

PLUMBING FIXTURES,
SANITARY APPLIANCES
and PLUMBERS' STAPLES



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GRAND RAPIDS, MICH.

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AS INDICATED IN BLACK SQUARE



TWO BLOCKS WEST OF UNION DEPOT

GRAND RAPIDS SUPPLY CO.
GRAND RAPIDS, MICHIGAN



TWO BLOCKS WEST OF UNION DEPOT

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MODEL BATH ROOM

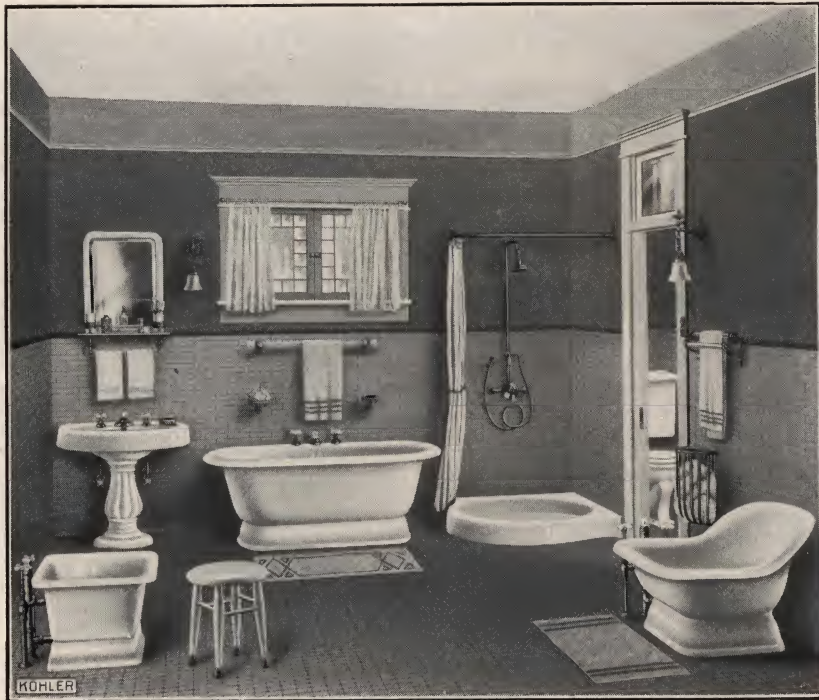


MODEL EA

It is now recognized by architects and owners in planning a residence that liberal space should be reserved for bath rooms. In selecting fixtures it should be borne in mind that to produce an artistic effect, the fixtures should harmonize one with the other. The cost of installation is substantially the same for first-class plumbing fixtures as for those whose chief merit is their cheapness. Thus the ultimate difference in price is measured by the slightly greater cost of the fixtures that can be counted upon to give complete and lasting satisfaction. The above is a suggestion for a private residence.

| | |
|---|--------|
| BATH.—5-foot One-Piece Bath, Enameled All Over, with Concealed Supply and Waste Fitting with China Handles | 139.80 |
| FOOT BATH.—Enameled Iron Foot Bath with Supply and Waste Fitting with China Handles. | 34.60 |
| LAVATORY.—Enameled Iron One-Piece Lavatory, 20x28 inches, with Enameled Legs, Combination Supply and Waste Fitting with China Handles, Supply Pipes and Trap..... | 45.80 |
| CLOSET.—Vitreous China Bowl, White Seat and Cover, and Enameled Iron Tank, Complete | 40.20 |

MODEL BATH ROOM



MODEL A-2

A bath room complete in every detail. The style of fixtures and their arrangement afford convenience, luxury and a pleasing appearance. The arrangement of the shower is a good feature of this equipment.

| | |
|---|--------|
| BATH.—5-foot Enameled Iron Roman Pattern Bath on Base, 4 $\frac{3}{4}$ -inch Roll Rim, Nickel-plated Compression Bell Supply and Waste Fitting with China Handles | 96.90 |
| SHOWER.—Nickel-plated Shower with Adjustable Ball Joint Shower Head, Anti-Scalding Mixing Valve, Supply Pipes to Wall, Shampoo and Rubber Tubing, Duck Curtain and Curtain Ring, Enameled Iron Receptor and Nickel-plated Strainer..... | 127.80 |
| FOOT BATH.—Enameled Iron Foot Bath on Base with Nickel-plated Compression Bell Supply and Waste Fitting with China Handles..... | 37.60 |
| SITZ BATH.—Enameled Iron Sitz Bath on Base with Nickel-plated Compression Bell Supply and Waste Fitting with China Handles | 61.10 |
| LAVATORY.—Enameled Iron Pedestal Lavatory, 24x34 inches, with Nickel-plated Compression Supply and Waste Fitting with China Handles, Nickel-plated Supply Pipes and Nickel-plated "P" Trap..... | 67.00 |
| CLOSET.—Enameled Iron Syphon Wash Down Bowl, White Enameled Oak Seat and Cover, Enameled In and Out Iron Tank, complete ... | 40.20 |

MODEL BATH ROOM



MODEL L

This is an inexpensive equipment for small bath rooms in houses of moderate cost, apartments and flat buildings. With a proper interior finish and arrangement of the fixtures this simple installation is attractive.

| | |
|--|-------|
| BATH.—5-foot Enameled Iron Bath with Fuller Cock, Connected Waste and Overflow and Supply Pipes..... | 30.00 |
| LAVATORY.—Enameled Iron Lavatory, 18x21 inches, with Integral Back and Apron, Fuller Faucets with China Handles, China Indexes and China Bases, Supply Pipes and Trap to Wall..... | 30.40 |
| CLOSET.—Vitreous China Wash Down Bowl, Oak Seat and Cover, and Enameled Iron Tank, Complete..... | 30.50 |

ENAMELED IRON BATHS

"IMPERATOR"

GUARANTEED

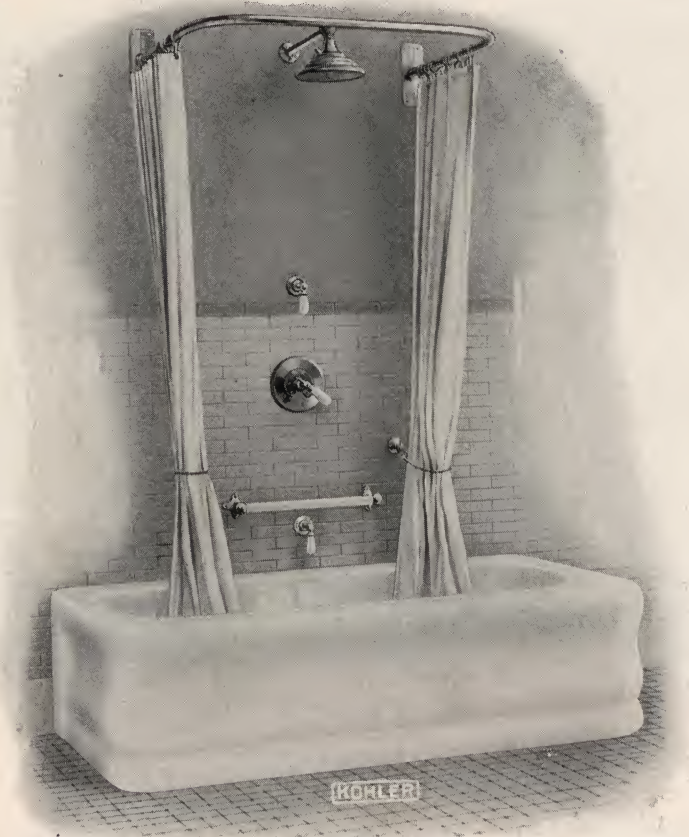


Fig. H-1

Enameled Iron Flat Bottom Wall Bath with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron to tile $1\frac{1}{2}$ inches into Wall and $\frac{1}{2}$ inch into Floor, Nickel-plated Combination Concealed Low Bell Supply, Waste and Shower, $\frac{3}{4}$ -inch Supply Connections, Anti-Scalding Mixer, Switch Valve and Waste with China Handles, Curtain Rail and Duck Curtains.

DIMENSIONS

Width over Rim, 34 inches.
Width of Rim, $4\frac{1}{2}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | | |
|---------------------------|--------|-----------------|-----------------|
| Nominal Sizes | feet | 5 | $5\frac{1}{2}$ |
| Length over Rim | inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described | | 212.10 | 220.10 |
| " Tub only | | 103.00 | 116.00 |

NOTE.—Can be furnished with Outlet at Right-Hand End.

ENAMELED IRON BATHS

"IMPERATOR"

GUARANTEED



Fig. H-2

Enameled Iron Flat Bottom Bath for Left-Hand Corner with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron, to tile $1\frac{1}{2}$ inches into Walls and $\frac{1}{2}$ inch into Floor, Nickel-plated Combination Concealed Low Bell Supply, Waste and Shower, $\frac{3}{4}$ -inch Supply Connections, Anti-Scalding Mixer, Switch Valve and Waste with China Handles, Curtain Rail and Duck Curtain.

DIMENSIONS

Width over Rim, 34 inches.
Width of Rim, $4\frac{1}{2}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | | |
|---------------------------|--------|-----------------|-----------------|
| Nominal Sizes | feet | 5 | $5\frac{1}{2}$ |
| Length over Rim | inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described | | 193.30 | 200.30 |
| " Tub only | | 96.00 | 103.00 |

ENAMELED IRON BATHS

"IMPERATOR"
GUARANTEED



Fig. H-3

Enameled Iron Flat Bottom Recess Bath with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron, to tile $1\frac{1}{2}$ inches into Walls and $\frac{1}{2}$ inch into Floor, Nickel-plated Low Bell Supply and Waste Fitting with Concealed Compression Valves, Half-Union Supply Connections for $\frac{3}{4}$ -inch Iron Pipe, China Indexed Four-Arm Handles and China Indexed Handle on Waste.

DIMENSIONS

Width over Rim, 34 inches.
Width of Rim, $4\frac{1}{2}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | | |
|--------------------------|--------|-----------------|-----------------|
| Nominal Sizes..... | feet | 5 | $5\frac{1}{2}$ |
| Length over Rim..... | inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described..... | | 178.90 | 184.90 |
| " Tub only | | 86.00 | 92.00 |

NOTE.—Can be furnished with Outlet at Left-Hand End and Supply and Waste Fitting through Rear Wall near either Corner or through End Walls.

ENAMELED IRON BATHS

"IMPERATOR"

GUARANTEED

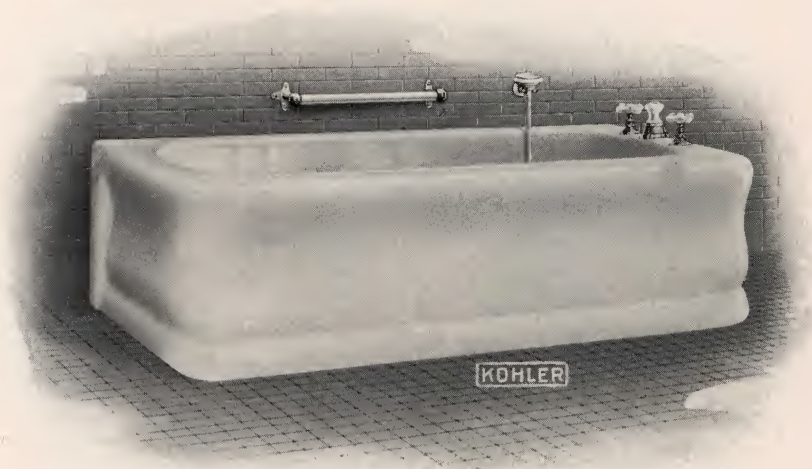


Fig. H-4

Enameled Iron Flat Bottom Wall Bath with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron, to tile $1\frac{1}{2}$ inches into Wall and $\frac{1}{2}$ inch into Floor, Nickel-plated Top Nozzle Supply and Waste Fitting with Compression Valves, $\frac{3}{4}$ -inch Supply Pipes, China Indexed Four-Arm Handles, China Indexed Handle on Waste, Rubber Hose and Shampoo Spray.

DIMENSIONS

Width over Rim, 34 inches.

Depth Inside, 17 inches.

Width of Rim, $4\frac{1}{2}$ inches.

Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | |
|----------------------------|-----------------|-----------------|
| Nominal Sizes.....feet | 5 | $5\frac{1}{2}$ |
| Length over Rim.....inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described..... | 141.60 | 149.60 |
| " Tub only..... | 108.00 | 116.00 |

NOTE.—Can be furnished with Outlet at Left-Hand End and Supply and Waste Fitting through Rim at Left-Hand End or through Front Rim at either End. Valves are rewasherable through Rim.

ENAMELED IRON BATHS

"IMPERATOR"

GUARANTEED

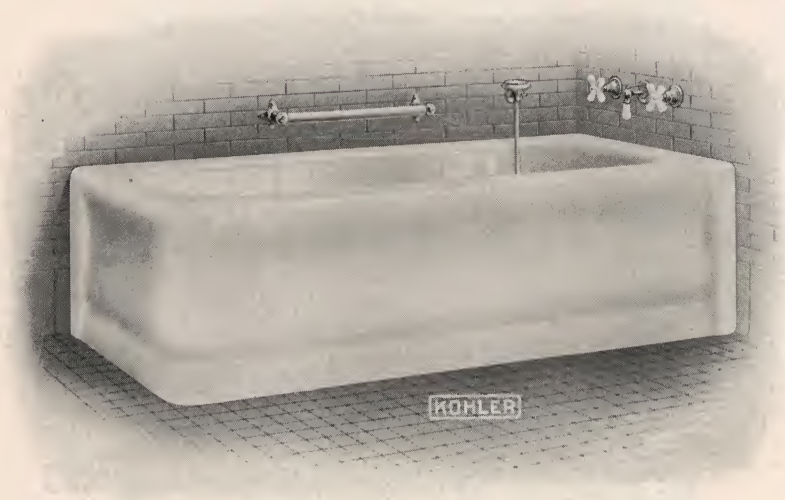


Fig. H-5

Enameled Iron Flat Bottom Bath for Right-Hand Corner with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron, to tile $1\frac{1}{2}$ inches into Walls and $\frac{1}{2}$ inch into Floor, Nickel-plated Concealed Top Nozzle Supply and Waste Fitting with Compression Valves, Half-Union Supply Connections for $\frac{3}{4}$ -inch Iron Pipe, China Indexed Four-Arm Handles, China Indexed Handle on Waste, Rubber Hose and Shampoo Spray.

DIMENSIONS

Width over Rim, 34 inches.

Depth Inside, 17 inches.

Width of Rim, $4\frac{1}{2}$ inches.Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | | |
|--------------------------|--------|-----------------|-----------------|
| Nominal Sizes..... | feet | 5 | $5\frac{1}{2}$ |
| Length over Rim..... | inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described..... | | 128.40 | 135.40 |
| " Tub only..... | | 96.00 | 103.00 |

NOTE.—Can be furnished with Outlet at Left-Hand End and Supply and Waste Fitting through Rear Wall at Center or near either End.

ENAMELED IRON BATHS

"IMPERATOR"

GUARANTEED



Fig. H-6

Enameled Iron Flat Bottom Bath for Right-Hand Corner with $4\frac{1}{2}$ -inch Rim, Enameled Iron Integral Apron, to tile $1\frac{1}{2}$ inches into Walls and $\frac{1}{2}$ inch into Floor, Nickel-plated Top Nozzle Supply and Waste Fitting with Compression Valves, $\frac{3}{4}$ -inch Supply Pipes, China Indexed Four-Arm Handles, China Indexed Knob on Waste, Rubber Hose and Shampoo Spray.

DIMENSIONS

Width over Rim, 34 inches.

Depth Inside, 17 inches.

Width of Rim, $4\frac{1}{2}$ inches.

Height to Top of Rim, $17\frac{1}{2}$ inches.

| | | |
|----------------------------|-----------------|-----------------|
| Nominal Sizes.....feet | 5 | $5\frac{1}{2}$ |
| Length over Rim.....inches | $62\frac{1}{2}$ | $68\frac{1}{2}$ |
| Price, as described..... | 129.60 | 136.60 |
| " Tub only..... | 96.00 | 103.00 |

NOTE.—Can be furnished with Outlet at Right-Hand End and Supply and Waste Fitting through Front Rim near either End. Valves are rewasherable through Rim.

ENAMELED IRON BATHS

"UNIVERSAL"
GUARANTEED

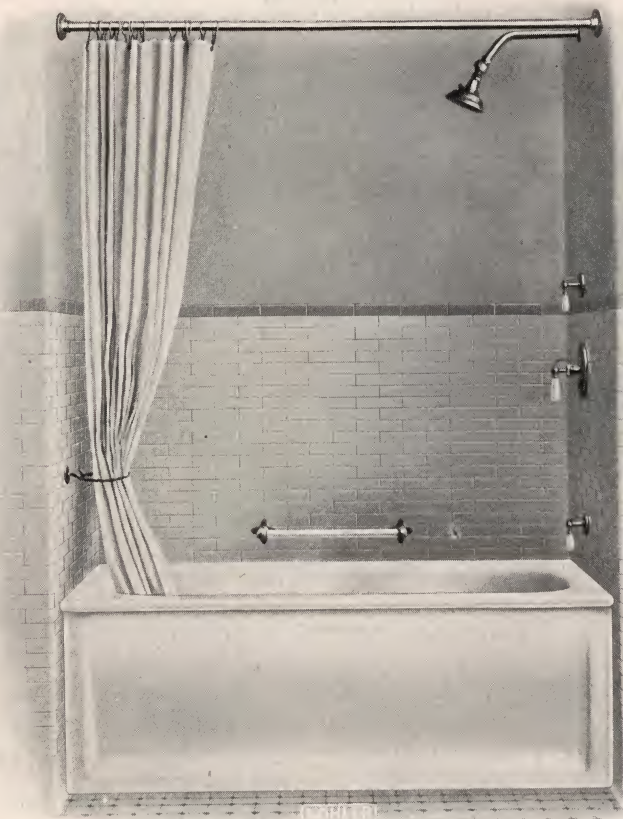


Fig. H-7

Enameled Iron Flat Bottom Recess Bath, $3\frac{1}{2}$ -inch Rim, to tile $1\frac{1}{2}$ inches into Walls, Enameled Iron Front Plate to tile $\frac{1}{2}$ inch into Floor, Nickel-plated Combination Concealed Low Bell Supply, Waste and Shower, $\frac{3}{4}$ -inch Supply Connections, Anti-Scalding Mixer, Switch Valve and Waste with China Handles, Curtain Rail and Duck Curtain.

DIMENSIONS

Width over Rim, $30\frac{1}{2}$ inches.
Width of Rim, $3\frac{1}{2}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| Length over Rim.....inches | $56\frac{1}{2}$ | $62\frac{1}{2}$ | $68\frac{1}{4}$ | $74\frac{1}{2}$ |
| Price, as described..... | 155.90 | 160.60 | 166.40 | 173.50 |
| " Tub only..... | 63.00 | 67.70 | 73.50 | 80.60 |

ENAMELED IRON BATHS

"UNIVERSAL"
GUARANTEED



Fig. H-8

Enameled Iron Flat Bottom Bath for Left-Hand Corner with $3\frac{1}{2}$ -inch Rim, to tile $1\frac{1}{2}$ inches into Wall at Back and End, Enameled Iron Front and End Plates to tile $\frac{1}{2}$ inch into Floor, Nickel-plated Low Bell Supply and Waste Fitting with Concealed Fuller Valve; Half-Union Supply Connections for $\frac{3}{4}$ -inch Iron Pipe, China Indexed Handles, Nickel plated Shower with Concealed Anti-Scalding Mixing Valve with China Handle, Nickel-plated Curtain Rail and Duck Curtain.

DIMENSIONS

Width over Rim, $30\frac{1}{2}$ inches.
Width of Rim, $3\frac{1}{2}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|--|-----------------|-----------------|-----------------|-----------------|
| Length over Rim.....inches | $56\frac{1}{2}$ | $62\frac{1}{2}$ | $68\frac{1}{4}$ | $74\frac{1}{2}$ |
| Price, as described..... | 166.70 | 171.40 | 177.20 | 184.30 |
| " Tub with Supply and Waste Fittings, no Shower..... | 101.20 | 105.90 | 111.70 | 118.80 |
| " " only..... | 71.20 | 75.90 | 81.70 | 88.80 |

ENAMELED IRON BATHS

"UNIVERSAL"

GUARANTEED



Fig. H-9

Enameled Iron Flat Bottom Bath for Right-Hand Corner with $3\frac{1}{2}$ -inch Rim to tile $1\frac{1}{2}$ inches into Wall at Back and End, Enameled Iron Front and End Plates to tile $\frac{1}{2}$ -inch into Floor, Nickel-plated Low Bell Supply and Waste Fitting with Concealed Compression Valves, Half-Union Supply Connections for $\frac{3}{4}$ -inch Iron Pipe, China Indexed Four-Arm Handles and China Indexed Handle on Waste, Concealed Compression Shower Valves with China Indexed Four-Arm Handles, Curtain Rail and Duck Curtain.

DIMENSIONS

Width over Rim, $30\frac{1}{2}$ inches.Width of Rim, $3\frac{1}{2}$ inches.

Depth Inside, 17 inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| Length over Rim.....inches | $56\frac{1}{2}$ | $62\frac{1}{2}$ | $68\frac{1}{4}$ | $74\frac{1}{2}$ |
| Price, as described..... | 141.70 | 146.40 | 152.20 | 159.30 |
| " Tub only..... | 71.20 | 75.90 | 81.70 | 88.80 |

ENAMELED IRON BATHS

"UNIVERSAL"

GUARANTEED

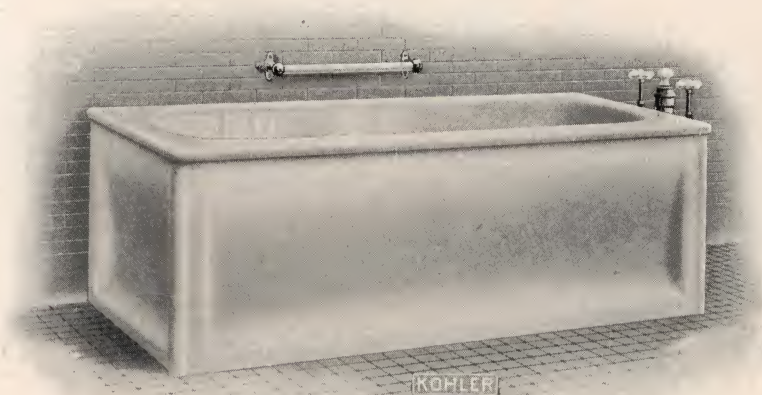


Fig. H-10

Enameled Iron Flat Bottom Bath with $3\frac{1}{2}$ -inch Rim and Slope End, to tile $1\frac{1}{2}$ inches into Rear Wall, Enameled Iron Front and End Plates to tile $\frac{1}{2}$ inch into Floor, Nickel-plated Low Bell Supply and Waste Fitting with Compression Valves, China Cross Handles and China Knob and $\frac{3}{4}$ -inch Supply Pipes.

DIMENSIONS

Width over Rim, $30\frac{1}{2}$ inches.

Depth Inside, 17 inches.

Width of Rim, $3\frac{1}{2}$ inches.Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| Length over Rim.....inches | $56\frac{1}{2}$ | $62\frac{1}{2}$ | $68\frac{1}{4}$ | $74\frac{1}{2}$ |
| Price, as described..... | 102.80 | 107.10 | 112.50 | 119.00 |
| " Tub only..... | 73.40 | 77.70 | 83.10 | 89.60 |

ENAMELED IRON BATHS

"UNIVERSAL"

GUARANTEED

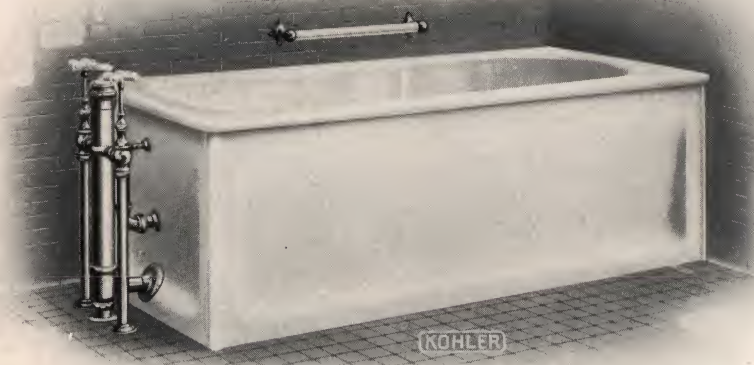


Fig. H-11

Enameled Iron Flat Bottom Bath, for Right-Hand Corner, with $3\frac{1}{2}$ -inch Rim, to Tile $1\frac{1}{2}$ inches into Wall at Back and End, Enameled Iron Front and End Plates to Tile $\frac{1}{2}$ inch into Floor, Nickel-plated Low Compression Bell Supply and Waste Fitting with China Cross Handles, with China Indexes and $\frac{3}{4}$ -inch Supply Pipes.

DIMENSIONS

Width over Rim, $30\frac{1}{2}$ inches.

Depth Inside, 17 inches.

Width of Rim, $3\frac{1}{2}$ inches.Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes | feet | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|---------------------------|--------|-----------------|-----------------|-----------------|-----------------|
| Length over Rim | inches | $56\frac{1}{2}$ | $62\frac{1}{2}$ | $68\frac{1}{4}$ | $74\frac{1}{2}$ |
| Price, as described | | 95.20 | 99.50 | 104.90 | 111.40 |
| " Tub only | | 65.80 | 70.10 | 75.50 | 82.00 |

Bath can be furnished for either Right or Left-Hand Corner.

ENAMELED IRON BATHS

"CZARINA"

GUARANTEED



Fig. H-12

Enameled Iron Flat Bottom Bath on Base with $4\frac{3}{4}$ -inch Roll Rim, Painted One Coat Exterior, Nickel-plated Bottom Bell Supply and Waste Fitting with Compression Valves with China Cross Handles and China Knob and $\frac{3}{4}$ -inch Nickel-plated Supply Pipes.

DIMENSIONS

Width over Rim at Center, 37 inches.

Depth Inside, 18 inches.

Width of Roll Rim, $4\frac{3}{4}$ inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| | | |
|--------------------------|--------|----------------|
| Nominal Size..... | feet | $5\frac{1}{2}$ |
| Length over Rim..... | inches | 70 |
| Price, as described..... | | 96.30 |
| " Tub only..... | | 70.60 |

| | |
|---|-------|
| If with No. 1 Zinc White Finish, add..... | 15.60 |
| " " " 2 " " " " | 10.80 |
| " " Gold Leaf Bands or Lines " | 3.60 |

ENAMELED IRON BATHS

"KAISERIN"

GUARANTEED



Fig. H-13

Enameled Iron Flat Bottom Bath with $4\frac{3}{4}$ -inch Roll Rim and Claw Feet, Painted One Coat Exterior, fitted through Rim with Nickel-plated Bottom Bell Supply and Waste Fitting with Compression Valves with China Cross Handles and China Knob and $\frac{3}{4}$ -inch Nickel-plated Supply Pipes.

DIMENSIONS

Width over Rim, 37 inches.

Depth Inside, 18 inches.

Width of Roll Rim, $4\frac{3}{4}$ inches.Height from Floor to Top of Rim, $21\frac{1}{2}$ inches.

| | | |
|---------------------------|--------|-------|
| Nominal Size | feet | 5½ |
| Length over Rim | inches | 70 |
| Price, as described | | 87.60 |
| " Tub only | | 56.60 |

| | |
|--|-------|
| If with Bell Supply Fitting with Fuller Valves with China Handles, | |
| add | 1.60 |
| " with No. 1 Zinc White Finish, add | 15 60 |
| " " " 2 " " " " | 10.80 |
| " " Gold Leaf Bands or Lines, add | 3.60 |

ENAMELED IRON BATHS

"ARELISLE"

GUARANTEED



Fig. H-14

Enameled Iron Flat Bottom Bath on Base with $4\frac{3}{4}$ -inch Rim, Nickel-plated Low Bell Supply and Waste Fitting with Compression Valve, $\frac{3}{4}$ -inch Supply Pipes, China Indexed Four-Arm Handles, China Indexed Knob on Waste, Nickel-plated Shower with $\frac{1}{2}$ -inch Supply Connections to Wall, Compression Valves with China Indexed Four-Arm Handles, Rubber Hose and Shampoo Spray, 30-inch Nickel-plated Curtain Ring and Duck Curtain.

DIMENSIONS

Width over Rim, 35 inches.
Width of Rim, $4\frac{3}{4}$ inches.

Depth Inside, 17 inches.
Height to Top of Rim, 22 inches.

| | | | |
|---------------------------|--------|-----------------|----------------|
| Nominal Sizes | feet | 5 | $5\frac{1}{2}$ |
| Length over Rim | inches | $61\frac{1}{2}$ | 67 |
| Price, as described | | 132.60 | 137.80 |
| " Tub only | | 64.20 | 69.40 |

ENAMELED IRON BATHS

"CARLTON"

GUARANTEED

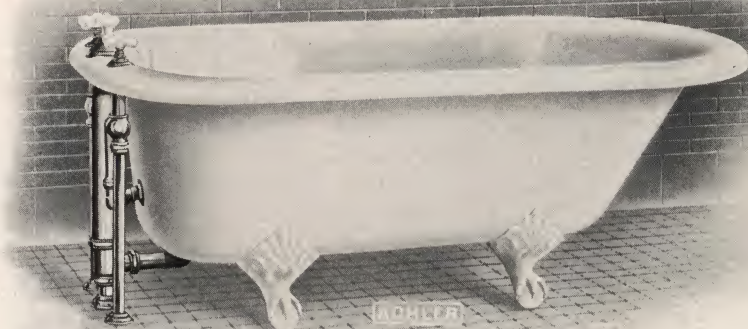


Fig. H-16

Enameled Iron Flat Bottom Bath with 4-inch Roll Rim and Claw Feet, Painted One Coat Exterior, fitted through Rim at End with Nickel-plated Bottom Bell Supply and Waste Fitting with Compression Valves with China Cross Handles and China Knob and $\frac{3}{4}$ -inch Nickel-plated Supply Pipes.

DIMENSIONS

Width over Rim, 33 inches.

Depth Inside, 17 inches.

Width of Roll Rim, 4 inches.

Height to Top of Rim, 22 inches.

| | | |
|----------------------------|-------|-------|
| Nominal Sizes.....feet | 5 | 5½ |
| Length over Rim.....inches | 62 | 67½ |
| Price, as described..... | 78.90 | 84.20 |
| “ Tub only..... | 50.10 | 55.40 |

| | |
|---|-------|
| If with Bell Supply Fitting with Fuller Valves with China Handles, add. | 3.80 |
| “ “ No. 1 Zinc White Finish, add | 15.60 |
| “ “ “ 2 “ “ “ “ | 10.80 |
| “ “ Gold Leaf Bands or Lines, “ | 3.60 |

ENAMELED IRON BATHS

"BARONESS"

GUARANTEED



Fig. H-17

Enameled Iron Flat Bottom Bath on Base with 3-inch Roll Rim, Painted One Coat Exterior, Nickel-plated Double Bell Top Nozzle Supply and By-Transit Lift Waste Fitting with Compression Valves with Indexed China Four-Arm Handles, $\frac{1}{2}$ -inch Supply Pipes and Indexed China Knob on Waste.

DIMENSIONS

Width over Rim, 30 inches.

Depth Inside, 17 inches.

Width of Rim, 3 inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|---------------------------------|-----------------|----------------|-------|----------------|-----------------|
| Length over Rim.....inches | $50\frac{1}{4}$ | 54 | 60 | 66 | $72\frac{1}{4}$ |
| Price, as described..... | 51.80 | 51.80 | 52.30 | 56.30 | 68.30 |
| " Tub only..... | 27.00 | 27.00 | 27.50 | 31.50 | 43.50 |
| If with Enameled Base, add..... | 4.50 | 4.50 | 5.00 | 5.50 | 6.00 |

If with No. 1 Zinc White Exterior Finish, add..... 15.60

" " " 2 " " " " " " 10.80

" " Gold Leaf Bands or Lines, add..... 3.60

ENAMELED IRON BATHS

"BARONESS"

GUARANTEED



Fig. H-18

Enameled Iron Flat Bottom Bath on Base with 3-inch Roll Rim, Painted One Coat Exterior, Nickel-plated Low Bell Supply and Waste Fitting with Fuller Valves, $\frac{1}{2}$ -inch Supply Pipes, China Indexed Handles and China Indexed Knob on Waste.

DIMENSIONS

Width over Rim, 30 inches.

Depth Inside, 17 inches.

Width of Rim, 3 inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|---------------------------------|-----------------|----------------|-------|----------------|-----------------|
| Length over Rim.....inches | $50\frac{1}{4}$ | 54 | 60 | 66 | $72\frac{1}{4}$ |
| Price, as described..... | 55.00 | 55.00 | 55.50 | 59.50 | 71.50 |
| “ Tub only | 27.00 | 27.00 | 27.50 | 31.50 | 43.50 |
| If with Enameled Base, add..... | 4.50 | 4.50 | 5.00 | 5.50 | 6.00 |

If with No. 1 Zinc Exterior Finish, add..... 15.60

“ “ “ 2 “ “ “ 10.80

“ “ Gold Leaf Bands or Lines, add 3.60

ENAMELED IRON BATHS

"COLONNA"

GUARANTEED



Fig. H-20

Enameled Iron Flat Bottom Bath with 3-inch Roll Rim and Claw Feet, Painted One Coat Exterior, Nickel-plated Compression Bottom Bell Supply and Waste Fitting with China Indexes and $\frac{1}{2}$ -inch Nickel-plated Supply Pipes.

DIMENSIONS

Width over Rim, 30 inches.

Depth Inside, 17 inches.

Width of Roll Rim, 3 inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| Nominal Sizes.....feet | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|----------------------------|-----------------|----------------|-------|----------------|-----------------|
| Length over Rim.....inches | $50\frac{1}{4}$ | 54 | 60 | 66 | $72\frac{1}{4}$ |
| Price, as described..... | 42.00 | 42.00 | 42.50 | 46.50 | 55.50 |
| “ Tub only..... | 22.00 | 22.00 | 22.50 | 26.50 | 35.50 |

If with No. 1 Zinc White Finish Outside, add 15.60

“ “ “ 2 “ “ “ “ 10.80

“ “ Gold Bands or Gold Lines, add..... 3.60

ENAMELED IRON BATHS

"COLONNA"

GUARANTEED



Fig. H-22

Enameled Iron Flat Bottom Bath with 3-inch Roll Rim, Painted One Coat Exterior, No. 41½ Nickel-plated Fuller Double Bath Cock, ½-inch Offset Supply Pipes and Standing Overflow and Waste with China Indexed Knob.

DIMENSIONS

Width over Rim, 30 inches.

Depth Inside, 17 inches.

Width of Roll Rim, 3 inches.

Height to Top of Rim, $21\frac{1}{2}$ inches.

| | | | | | |
|----------------------------|-------|-------|-------|-------|-------|
| Nominal Sizes.....feet | 4 | 4½ | 5 | 5½ | 6 |
| Length over Rim.....inches | 50¼ | 54 | 60 | 66 | 72¼ |
| Price, as described | 34.20 | 34.20 | 34.70 | 38.70 | 47.70 |
| “ Tub only | 20.00 | 20.00 | 20.50 | 24.50 | 33.50 |

| | |
|---|-------|
| If with No. 1 Zinc White Exterior Finish, add | 15.60 |
| " " " 2 " " " " " | 10.80 |
| " " Gold Leaf Bands or Lines, add | 3.60 |

ENAMELED IRON BATHS

"COLONNA"

GUARANTEED



Fig. H-23

Enameled Iron Flat Bottom Bath with 3-inch Roll Rim and Claw Feet, Painted One Coat Exterior, with No. 4½ Nickel-plated Double Fuller Bath Cock with ½-inch Offset Supply Pipes and Nickel-plated Connected Waste and Overflow.

DIMENSIONS

Width over Rim, 30 inches.
Width of Roll Rim, 3 inches.

Depth Inside, 17 inches.
Height to Top of Rim, 21½ inches.

| Nominal Sizesfeet | 4 | 4½ | 5 | 5½ | 6 |
|---------------------------------|-------|-------|-------|-------|-------|
| Length over Riminches | 50¼ | 54 | 60 | 66 | 72¼ |
| Price, as described | 29.50 | 29.50 | 30.00 | 34.00 | 43.00 |
| " Tub only | 20.00 | 20.00 | 20.50 | 24.50 | 33.50 |

| | |
|--|-------|
| If with No. 1 Zinc White Finish, add | 15.60 |
| " " " 2 " " " " " | 10.80 |
| " " Gold Bands or Lines, add | 3.60 |

ENAMELED IRON BATHS

"LOTUS"

GUARANTEED

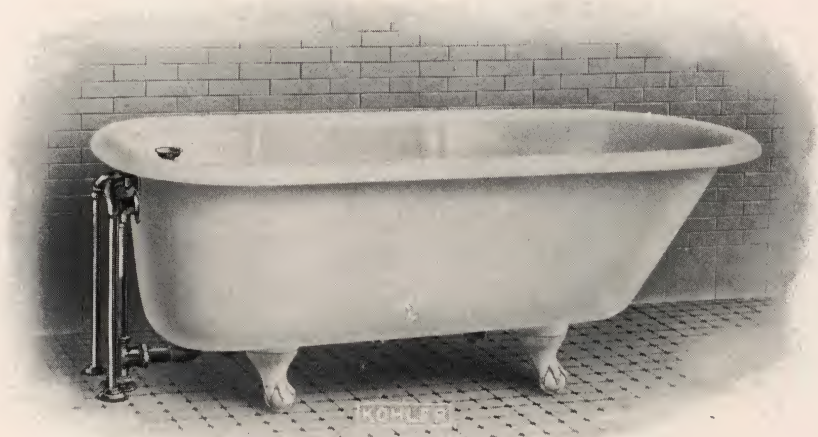


Fig. H-24

Enameled Iron Flat Bottom Bath with 2½-inch Roll Rim and Claw Feet, Painted One Coat Exterior, with Nickel-plated No. 4½ Fuller Double Bath Cock, ½-inch Iron Pipe Size Offset Supply Pipes and Connected Waste and Overflow with Rubber Stopper.

DIMENSIONS

Width over Rim, 28½ inches.

Depth Inside, 17 inches.

Width of Roll Rim, 2½ inches.

Height to Top of Rim, 22 inches.

| Nominal Sizes.....feet | 4 | 4½ | 5 | 5½ | 6 |
|----------------------------|-------|-------|-------|-------|-------|
| Length over Rim.....inches | 49¾ | 54¼ | 60¾ | 66¾ | 74 |
| Price, as described..... | 29.50 | 29.50 | 30.00 | 34.00 | 43.00 |
| " Tub only..... | 20.00 | 20.00 | 20.50 | 24.50 | 33.50 |

| | |
|---|-------|
| If with No. 1 Zinc White Finish Outside, add..... | 15.60 |
| " " " 2 " " " " " " " "..... | 10.80 |
| " " Gold Bands or Gold Lines, add..... | 3.60 |

ENAMELED IRON BATHS

"RIVAL"

GUARANTEED



Fig. H-25

Enameled Iron Flat Bottom Bath with 2-inch Roll Rim and Claw Feet, Painted One Coat Exterior, Nickel-plated, with No. 4 $\frac{1}{2}$ Fuller Double Bath Cock with $\frac{1}{2}$ -inch Offset Supply Pipes and Nickel-plated Connected Waste and Overflow.

DIMENSIONS

Width over Rim, 26 inches.

Depth Inside, 17 $\frac{5}{8}$ inches.

Width of Roll Rim, 2 inches.

Height to Top of Rim, 22 inches.

| Nominal Sizes.....feet | 4 | 4 $\frac{1}{2}$ | 5 | 5 $\frac{1}{2}$ |
|-----------------------------|------------------|------------------|------------------|------------------|
| Length over Rim .....inches | 48 $\frac{1}{4}$ | 54 $\frac{1}{4}$ | 60 $\frac{1}{2}$ | 66 $\frac{3}{4}$ |
| Price, as described..... | 27.00 | 27.00 | 27.00 | 31.00 |
| " Tub only..... | 17.50 | 17.50 | 17.50 | 21.50 |

If with No. 1 Zinc White Finish, add..... 13.00

" " " 2 " " " " 9.00

ENAMELED IRON BATHS

"NARROSPACE"

GUARANTEED

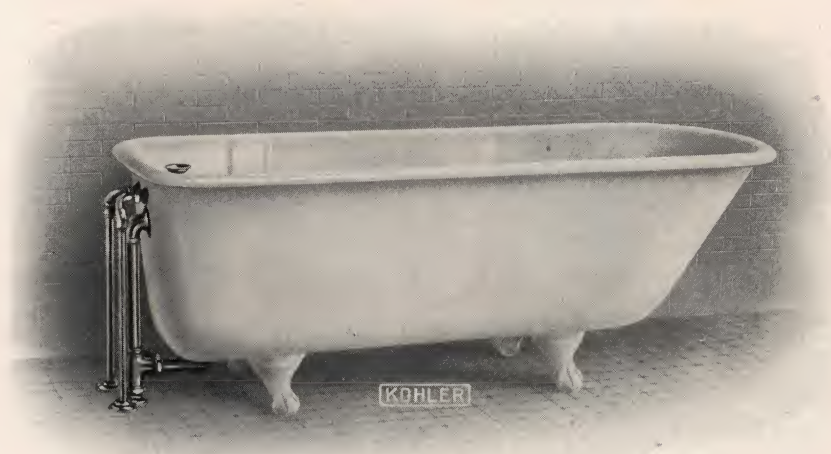


Fig. H-26

Enameled Iron Flat Bottom Bath with $1\frac{1}{2}$ -inch Roll Rim and Claw Feet, Painted One Coat Exterior, No. $4\frac{1}{2}$ Nickel-plated Fuller Double Bath Cock with $\frac{1}{2}$ -inch Offset Supply Pipes and Nickel-plated Connected Waste and Overflow.

DIMENSIONS

Width over Rim, $24\frac{3}{4}$ inches.

Depth Inside, $17\frac{5}{8}$ inches.

Width of Roll Rim, $1\frac{1}{2}$ inches.

Height to Top of Rim, $22\frac{1}{2}$ inches.

| Nominal Sizes | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 |
|----------------------------|-----------------|-----------------|-------|----------------|-------|
| Length over Rim.....inches | $49\frac{1}{2}$ | $54\frac{3}{4}$ | 61 | 66 | 72 |
| Price, as described | 27.00 | 27.00 | 27.00 | 31.00 | 40.00 |
| " Tub only | 17.50 | 17.50 | 17.50 | 21.50 | 30.50 |

If with No. 1 Zinc White Finish, add..... 13.00

" " " 2 " " " " 9.00

SOLID PORCELAIN BATHS

TO TILE INTO WALL



Fig. H-27

Solid Porcelain Bath on Base to tile in Left-Hand Corner, Glazed Inside and Outside Over All, fitted with Nickel-plated Brass Top Nozzle Supply and Waste Fitting with Concealed Valves and Solid China Handles.

Width Over All, 30 inches.

Height to Top of Rim, 21 inches.

Depth Inside, 19 inches.

| Length.....feet | 5 | 5½ | 6 |
|-----------------------------------|--------|--------|--------|
| Price, as described, Class A..... | 195.75 | 204.75 | 227.75 |
| “ “ “ “ B..... | 149.75 | 158.75 | 177.75 |
| “ Tub only, “ A..... | 159.00 | 168.00 | 191.00 |
| “ “ “ “ B..... | 113.00 | 122.00 | 141.00 |

Also furnished to tile in Right-Hand Corner.

Supply Pipes are not included in above prices.

Valves are tapped ¾-inch iron pipe.

SOLID PORCELAIN BATHS

LIGHT WEIGHT—RECESS



Fig. H-28

Solid Porcelain Light Weight Recess Bath, Glazed Inside and Outside, fitted with Compression Bell Supply and Waste Fitting with Concealed Valves and Solid China Cross Handles.

DIMENSIONS

Width Outside, 30 inches.

Height to Top of Rim, 19 inches.

Depth Inside, 17 inches.

| | | | |
|------------------------------------|------|--------|--------|
| Length..... | feet | 5 | 5½ |
| Price, as described, Class A | | 108.75 | 119.25 |
| " " " " B | | 87.75 | 98.25 |

May also be furnished with Fuller Bell Supply and Waste Fitting.

ENAMELED IRON FOOT AND SITZ BATHS

SITZ BATH

FOOT BATH



Fig. H-30



Fig. H-31

FOOT BATHS

Enameled Iron Roll Rim Foot Bath, Painted One Coat Exterior, Nickel-plated Compression Bell Supply and Waste Fitting, with $\frac{1}{2}$ -inch Supply Pipes and China Indexed Handles.

Length over Rim, $24\frac{1}{4}$ inches.

Height to Top of Rim, $15\frac{3}{4}$ inches.

Width over Rim, $21\frac{1}{4}$ inches.

Depth Inside, $11\frac{1}{2}$ inches.

Width of Rim, $21\frac{1}{4}$ inches.

| | |
|---|-------|
| Price, as described, with Claw Feet | 34.60 |
| " " " on Base | 37.60 |
| " Tub only, on Feet | 18.00 |
| " " " Base | 21.00 |
| If Enameled All Over, add | 7.40 |

SITZ BATHS

Enameled Iron Roll Rim Sitz Bath, Painted One Coat Exterior, Nickel-plated Compression Bell Supply and Waste Fitting with $\frac{1}{2}$ -inch Supply Pipes and China Indexed Handles.

Front to Back over Rim, $32\frac{1}{2}$ inches.

Floor to Top of Rim at Front, 15 inches.

Width over Rim, $30\frac{1}{4}$ inches.

Floor to Top of Rim at Back, $23\frac{1}{2}$ inches.

Depth Inside, $10\frac{1}{2}$ inches.

Width of Rim, 3 inches.

| | |
|---|-------|
| Price, as described, with Claw Feet | 51.40 |
| " " " on Base | 61.10 |
| " Tub only, on Feet | 34.40 |
| " " " Base | 44.10 |
| If Enameled All Over, add | 11.40 |

SOLID PORCELAIN BATHS

SITZ BATH ON BASE

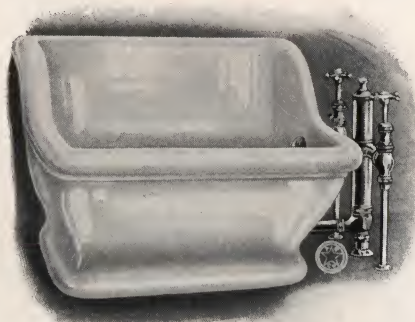


Fig. H-33

SITZ BATH ON FEET

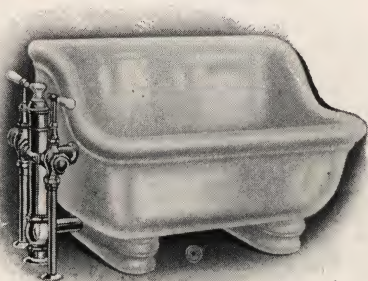


Fig. H-32

Solid Porcelain Sitz Baths, Center Outlet, fitted with Nickel-plated Bell Supply and Waste Fitting with China Index Handles.

| | | | | |
|--|-----------------------------|--|---------|---------|
| | Length Over All, 30 inches. | Height at Back, 20 $\frac{3}{4}$ inches. | | |
| | Width Over All, 27 inches. | Height at Front, 15 inches. | | |
| Price, Bath on Feet, as described, Glazed Inside and Over Rim | | | Class A | Class B |
| " " " " " " " " Outside | | | 73.25 | 61.25 |
| " " " " without Fittings, Glazed Inside and Over Rim . | | | 93.25 | 75.25 |
| " " " " " " " " Outside... | | | 44.00 | 32.00 |
| " " " " " " " " Outside... | | | 64.00 | 46.00 |
| If with Compression Supply and Waste Fitting instead of Fuller, deduct | | | 3.75 | 3.75 |
| Price, Bath on Base, as described, Glazed Inside and Over Rim | | | 75.50 | 60.50 |
| " " " " " " " " Outside..... | | | 95.50 | 74.50 |
| " " " " without Fittings, Glazed Inside and Over Rim. | | | 50.00 | 35.00 |
| " " " " " " " " Outside .. | | | 70.00 | 49.00 |

If with Exterior White Finish, add 10.00.

Supply and Waste Fitting may be placed on either side of tub, as ordered.

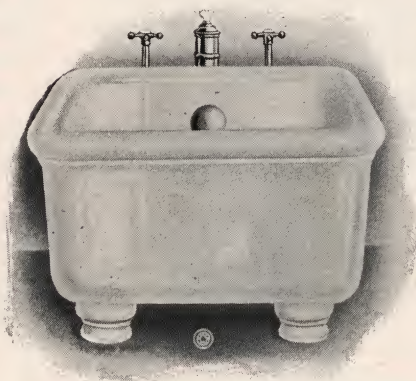


Fig. H-34

SOLID PORCELAIN FOOT BATHS

Solid Porcelain Foot Bath, Glazed all over, Center Outlet, Nickel-plated Compression Bell Supply and Waste Fitting.

Length Outside, 25 in. Width Outside, 21 in
Height Over All, 13 inches

| | | |
|---|---------|---------|
| | Class A | Class B |
| Price, Bath on Feet, as described | 54.00 | 46.50 |
| " Bath on Feet, without Fittings | 29.00 | 21.50 |
| " Bath on Base, as described | 56.30 | 47.30 |
| " Bath on Base, without Fittings | 30.00 | 21.00 |

SHOWER BATHS

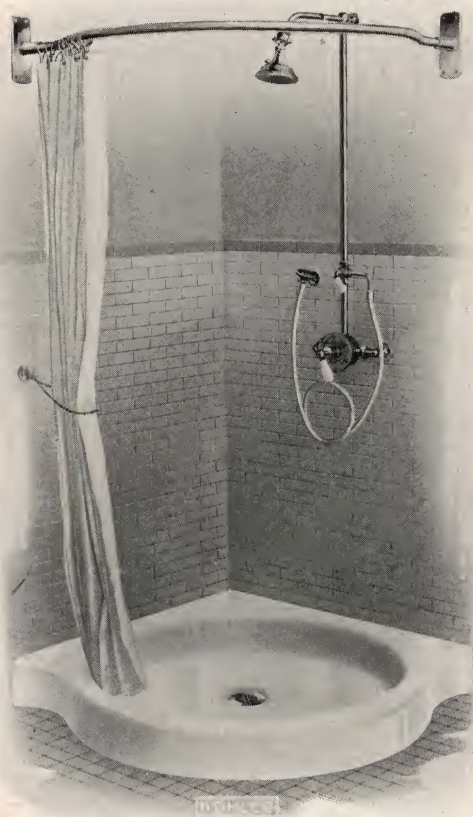


Fig. H-35

Nickel-plated Shower with Anti-Scalding Mixer and Switch Valve with China Handles, $\frac{1}{2}$ -inch Supply Connections to Wall, Shampoo Spray and Rubber Hose, Curtain Rail and Duck Curtain, Enameled Iron Apron Receptor to tile $1\frac{1}{4}$ inches into Wall, Nickel-plated Strainer and Tail Piece.

Diameter of Receptor, 42 inches.

| | |
|------------------------------|--------|
| Price, as described..... | 127.80 |
| Shower without Receptor..... | 74.20 |

SHOWER AND NEEDLE BATHS

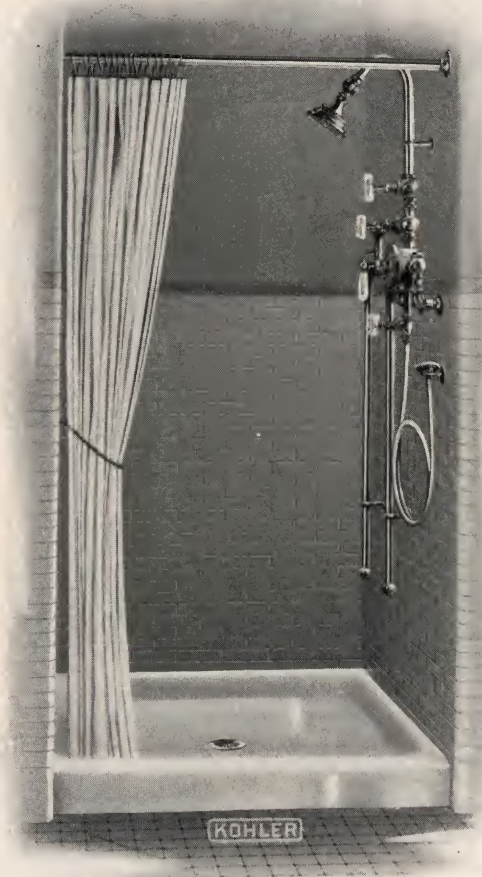


Fig. H-36

Nickel-plated Combination Shower and Needle Bath with Anti-Scalding Mixer with China Handle, Compression Valves with China Indexed Four-Arm Handles, Supply Connections to Wall, Shampoo Spray and Rubber Hose, Curtain Rail and Duck Curtain, Enameled Iron Recess Apron Receptor, Nickel-plated Strainer and Tail Piece.

DIMENSIONS OF RECEPTOR

Size Outside, 36x36 $\frac{1}{2}$ inches.Depth Inside, 3 $\frac{3}{4}$ inches.Size Outside, 42x42 $\frac{1}{2}$ inches.Depth Inside, 3 $\frac{3}{4}$ inches.

| Nominal Sizes.....inches | 36x36 | 42x42 |
|--------------------------------|---------|---------|
| Price, as described | 153. 70 | 169. 00 |
| " Shower without Receptor..... | 108. 20 | 109. 50 |

SHOWER AND NEEDLE BATHS

WITH NON-SCALDING REGULATING VALVE

(Speakman's Patent)

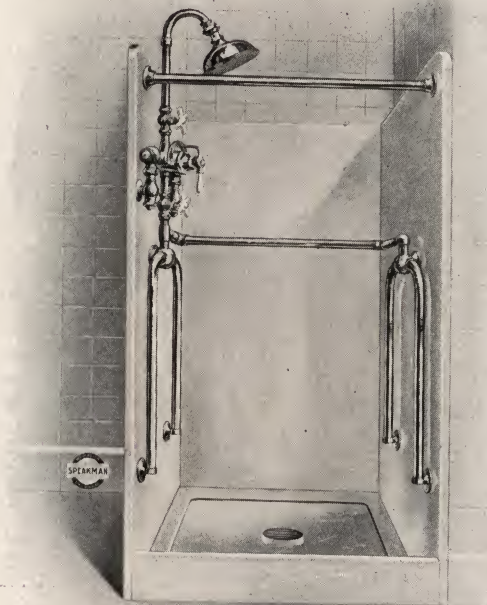


Fig. H-37

Nickel-plated Brass Combination Shower and Needle Bath for Stall with Non-Scalding Regulating Valve, with China Handle, Compression Valves with China Cross Arm Handles and Adjustable Ball Joint Shower Head. Inlets $\frac{1}{2}$ -inch.

| | |
|---------------------------|-------|
| Price, as described | 60.00 |
|---------------------------|-------|

Price does not include marble stall or floor strainer.

| | |
|------------------------------------|------|
| Curtain Rod and Snaps, extra | 3.00 |
|------------------------------------|------|

Duck or rubber curtain, extra, according to size.

This is a very desirable shower, as the bather can operate it and obtain the desired temperature of water before entering the stall.

SHOWER BATHS

WITH NON-SCALDING REGULATING VALVE

(Speakman's Patent)

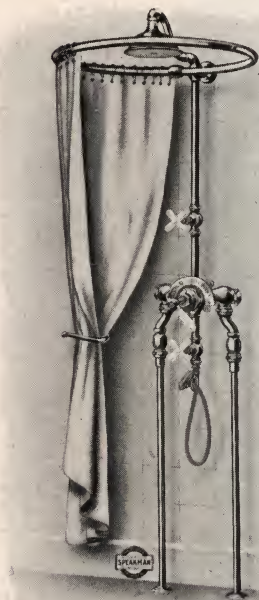


Fig. H-38

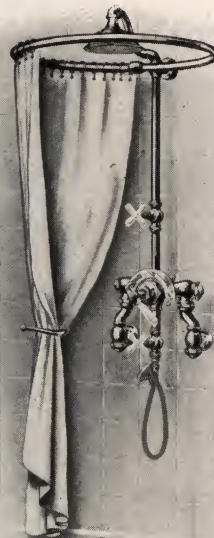


Fig. H-39

FIG. H-38

Nickel-plated Brass Shower, with Needle Shower Head, Non-Scalding Regulating Valve with China Handle, Strainer Unions, Shampoo, 24x30-inch Oval Curtain Ring, White Duck Curtain, and Iron Pipe Size Supply Pipes to Floor.

| | |
|---|-------|
| Price, as described, $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge..... | 48.00 |
| " " " $\frac{1}{2}$ " " $\frac{3}{4}$ " " | 53.00 |
| " " " $\frac{3}{4}$ " " $\frac{3}{4}$ " " | 62.00 |
| If without Shampoo, deduct..... | 8.00 |

FIG. H-39

Nickel-plated Brass Shower, with Needle Shower Head, Non-Scalding Regulating Valve with China Handle, Strainer Unions, Shampoo, 24x30-inch Oval Curtain Ring, White Duck Curtain, and Supplies to Wall.

| | |
|---|-------|
| Price, as described, $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge..... | 45.50 |
| " " " $\frac{1}{2}$ " " $\frac{3}{4}$ " " | 50.50 |
| " " " $\frac{3}{4}$ " " $\frac{3}{4}$ " " | 59.00 |
| If without Shampoo, deduct..... | 8.00 |

SHOWER BATHS
WITH NON-SCALDING REGULATING VALVE
 (Speakman's Patent)



Fig. H-40



Fig. H-41

FIG. H-40

Nickel-plated Brass Shower with 1/2-inch Built-in Non-Scalding and Regulating Valve with China Handle, Nickel-plated Cast Brass Needle Head with Removable Face and Adjustable Ball Joint and Bent Supply Arm.

| | |
|--------------------------|-------|
| Price, as described..... | 20.00 |
|--------------------------|-------|

FIG. H-41

This shower is the same as Fig. H-40, except that it is provided with Built-in Lock Shield Controlling Valves with China Escutcheons, permitting the volume of either hot or cold to be reduced or entirely shut off without interfering with other fixtures.

| | |
|--------------------------|-------|
| Price, as described..... | 25.00 |
|--------------------------|-------|

These showers are designed to set at end of a built-in tub. Prices do not include any of the piping required behind the wall.

SHOWER BATHS

WITH NON-SCALDING REGULATING VALVE

(Speakman's Patent)

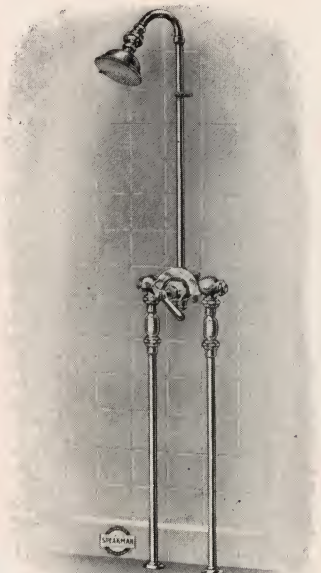


Fig. H-42

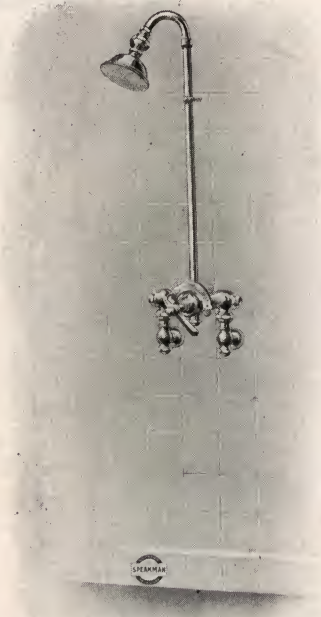


Fig. H-43

Fig. H-42. N. P. Shower with Non-Scalding Regulating Valve with N. P. Handle, Strainer Unions, Cast Brass Needle Head with Removable Face and Adjustable Ball Joint and I. P. Size Supply Pipes to Floor.

| | |
|--|-------|
| Price, as described, with $\frac{1}{2}$ -inch Valve, Supplies and $\frac{1}{2}$ -inch Discharge..... | 28.00 |
| " " " " $\frac{1}{2}$ " " " " $\frac{3}{4}$ " " | 32.50 |
| " " " " $\frac{3}{4}$ " " " " $\frac{3}{4}$ " " | 38.00 |

If without Adjustable Ball Joint, deduct: $\frac{1}{2}$ -inch, 1.50; $\frac{3}{4}$ -inch, 2.00.

If with Supplies from Overhead, add: $\frac{1}{2}$ -inch, 1.00; $\frac{3}{4}$ -inch, 1.50.

Fig. H-43. Same as Fig. H-42, except with Supplies to Wall.

| | |
|---|-------|
| Price, as described, with $\frac{1}{2}$ -inch Valve, Supplies and $\frac{1}{2}$ -inch Discharge | 25.50 |
| " " " " $\frac{1}{2}$ " " " " $\frac{3}{4}$ " " | 30.00 |
| " " " " $\frac{3}{4}$ " " " " $\frac{3}{4}$ " " | 35.00 |

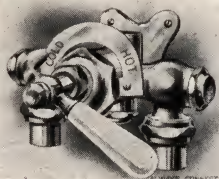


Fig. H-44

The non-scalding valve is operated with one handle which opens it and regulates the temperature of the water. To open the valve the handle is turned so that the indicator attached will travel from left to right. Cold water is always first obtained and the temperature is increased by the travel of the handle.

In opening the valve the first movement of the handle raises the discs from their seats and further movement by the operator mixes the water to the desired temperature. The unions are fitted with heavy brass gauze strainers, thus preventing the entrance of sediment and other foreign matter to the shower.

SHOWER BATHS

(Speakman's)

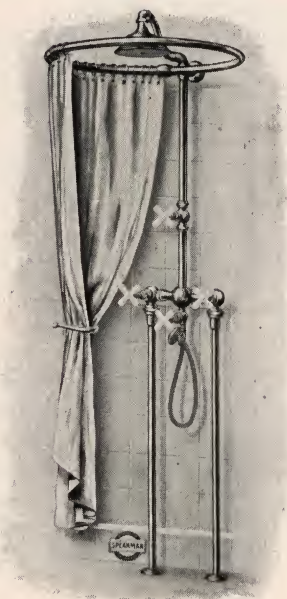


Fig. H-50

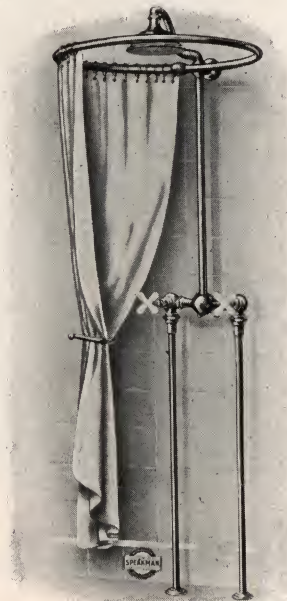


Fig. H-51

FIG. H-50

Nickel-plated Brass Shower with Needle Shower Head, Shampoo, 24-inch Curtain Ring, Compression Valves with Solid China Cross Arm Handles, White Duck Curtain and Curtain Hook, Iron Pipe Size Supply Pipes to Floor and Heavy Wall Flange.

| | |
|---|-------|
| Price, as described, with $\frac{1}{2}$ -inch Supplies and Discharge..... | 28.50 |
| " " " " $\frac{3}{4}$ " " " " | 42.50 |

If with Supplies to Wall, deduct: $\frac{1}{2}$ -inch, 2.50; $\frac{3}{4}$ -inch, 3.00.

FIG. H-51

Nickel-plated Brass Shower with Needle Shower Head, 24-inch Curtain Ring, Compression Valves with Solid China Cross Arm Handles, White Duck Curtain and Curtain Hook, Iron Pipe Size Supply Pipes to Floor and Heavy Wall Flange.

| | |
|---|-------|
| Price, as described, with $\frac{1}{2}$ -inch Supplies and Discharge..... | 25.50 |
| " " " " $\frac{3}{4}$ " " " " | 36.50 |

If with Supplies to Wall, deduct: $\frac{1}{2}$ -inch, 2.50; $\frac{3}{4}$ -inch, 3.00.

If with extra length Duck Curtain, add.....1.00

" " regular length Rubber Curtain instead of Duck Curtain, add.....2.00

SHOWER BATHS

(Speakman's)

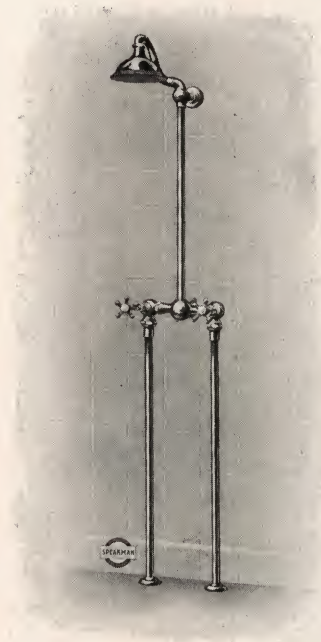


Fig. H-52

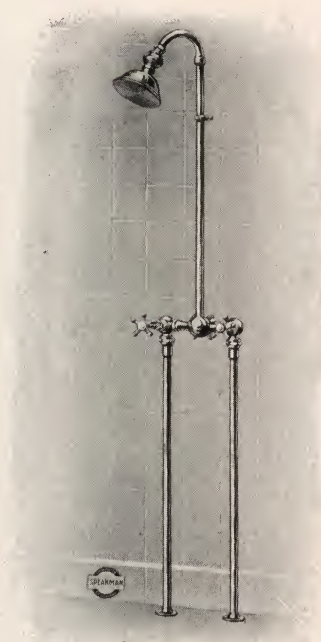


Fig. H-53

FIG. H-52

Nickel-plated Brass Shower with Needle Shower Head, Compression Valves with China Indexed Handles and Iron Pipe Size Supply Pipes to Floor with Heavy Floor Flanges.

| | |
|---|-------|
| Price, as described, with $\frac{1}{2}$ -inch Supplies and Discharge | 16.00 |
| " " " " $\frac{3}{4}$ " " " " | 22.50 |
| If with Supplies to Wall, deduct $\frac{1}{2}$ -inch, 2.50; $\frac{3}{4}$ -inch, 3.00 | |

FIG. H-53

Nickel-plated Brass Shower with Adjustable Ball Joint Needle Shower Head, Compression Valves with China Indexed Handles and Iron Pipe Size Supply Pipes to Floor with Heavy Floor Flanges.

| | |
|--|-------|
| Price, as described, with $\frac{1}{2}$ -inch Supplies and Discharge..... | 17.00 |
| " " " " $\frac{3}{4}$ " " " " " | 24.00 |
| If without Ball Joint in Head, deduct $\frac{1}{2}$ -inch, 1.50; $\frac{3}{4}$ -inch, 2.00 | |
| " " " "with Overhead Supplies, add $\frac{1}{2}$ " 1.00; $\frac{3}{4}$ " 1.50 | |
| " " " "Supplies to Wall, deduct $\frac{1}{2}$ " 2.50; $\frac{3}{4}$ " 3.00 | |

SHOWER BATHS

(Speakman's)



Fig. H-54

Portable Shower Bath with Needle Shower Head, Curtain Ring and Snaps, Duck Curtain, Hold-Back Curtain Hook, Rubber Supply Tubing and Patent Faucet Attachment.

| | |
|---------------------------|-------|
| Price, as described | 12.50 |
|---------------------------|-------|

The supply tubing is made of seamless rubber with a woven core; it is not affected by hot water. The faucet attachment is a great improvement over the ordinary rubber bulb, which blows off with water pressure and deteriorates with use. It can be attached instantly, and having a horizontal outlet, prevents kinking of the supply hose.

SHOWER STALLS MARBLE OR SLATE



Fig. H-55

Marble or Slate Shower Stall with Nickel-plated Cast Brass Clamps and Bolts, Nickel-plated Curtain Rod and Posts, Nickel-plated Curtain Rings and White Duck Curtain, and Nickel-plated Shower Stall Strainer and Coupling.

DIMENSIONS.—Height, 6 feet 6 inches; Inside Measurement, 3 feet 2 inches by 3 feet 2 inches; Stiles and Splash Board, 6 inches Wide. Floor Slab is countersunk extra deep and also rabbeted to receive Back and Sides. Back, Sides, Stiles and Splash Board are $\frac{7}{8}$ inch Thick (Slate Stalls are 1 inch Thick); Base, $1\frac{1}{2}$ inches Thick.

All exposed parts of Marble, Polished, and all exposed parts of Slate, Rubbed.

| | |
|---|--------|
| Price, as described, Italian Marble | 150.85 |
| " " " Pink Tennessee Marble | 131.10 |
| " " " Slate | 105.00 |
| Add or deduct for each 6 inches in Height, Italian Marble | 7.65 |
| " " " " " 6 " " " Tennessee " | 6.55 |
| " " " " " 6 " " " Slate | 4.80 |
| If Base is not Rabbeted, deduct | 2.20 |
| " " " " Countersunk Extra Deep, deduct | 5.20 |
| " without Shower Stall Strainer, deduct | 4.80 |
| Other sizes, prices on application. | |

SHOWER RECEPTORS

PORCELAIN

SQUARE



Fig. H-56

CORNER

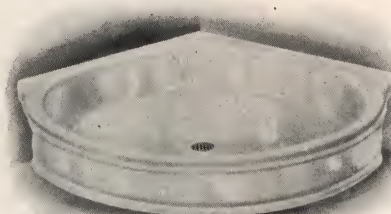


Fig. H-57

SQUARE SHOWER RECEPTORS

Porcelain Roll Rim Square Receptor, Glazed Inside and Outside.

Size Outside, 36x36 inches.

Depth Inside, $7\frac{1}{2}$ inches.

Size Outside, 42x42 inches.

Depth Inside, $7\frac{1}{2}$ inches.

| | | |
|--|-------|--------|
| Sizes..... | 36x36 | 42x42 |
| Price, as described, Class A..... | 55.00 | 100.00 |
| “ “ “ “ B..... | 45.00 | 70.00 |
| “ Nickel-plated Strainer with Flange | 3.00 | 3.00 |

CORNER SHOWER RECEPTORS

Porcelain Roll Rim Corner Receptor to tile into Floor and Walls, Glazed White Inside and Outside.

Length along Wall from Corner, 34 inches. Corner to Front, 50 inches.

Depth Inside, $7\frac{1}{2}$ inches.

| | |
|--|--------|
| Price, as described, Class A..... | 100.00 |
| “ “ “ “ B..... | 70.00 |
| “ Nickel-plated Strainer with Flange | 3.00 |

ENAMELED IRON

Enameled Iron Roll Rim Shower Receptor on Base with Center Outlet, Nickel-plated Strainer and Waste Connection.

Size, 36x36 in.

Width of Rim, $2\frac{1}{2}$ in.

Size, 42x42 in.

Width of Rim, 3 in.

Depth, $6\frac{3}{4}$ inches.

Depth, 8 inches.



Fig. H-58

| | | |
|--------------------------|-------|-------|
| Sizes..... | 36x36 | 42x42 |
| Price, as described..... | 42.50 | 58.30 |

SHOWER HEADS

NICKEL-PLATED

No. 47 SHALLOW
PERFORATED



Fig. H-59

No. 48 SHALLOW
TUBULAR



Fig. H-60

No. 49 DEEP PATTERN
TUBULAR



Fig. H-61

| | | |
|---|------|------|
| Price, No. 47, 7 inches in Diameter, 2 inches Deep, $\frac{1}{2}$ -inch I. P..... | each | 1.25 |
| " " 48, 7 " " " $2\frac{3}{8}$ " " $\frac{1}{2}$ " " | " | 2.15 |
| " " 49, 8 " " " 3 " " $\frac{1}{2}$ " " | " | 2.90 |

No. 20 FLARE RIM
TUBULAR



Fig. H-62

No. 16 FLARE RIM
PERFORATED



Fig. H-63

No. 18 FLARE RIM
TUBULAR



Fig. H-64

| | | | | | | |
|-------------------------|--------|-------------------------------|-----------------|-------|-------|-------|
| Diameter..... | inches | 9 | $10\frac{1}{2}$ | 12 | 14 | 16 |
| Size of Connection..... | inches | $\frac{1}{2}$ - $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 |
| Price, No. 20..... | each | 3.90 | 5.75 | 10.00 | 17.50 | 25.00 |
| " " 16..... | " | 2.75 | ..... | ..... | ..... | ..... |
| " " 18..... | " | 3.50 | ..... | ..... | ..... | ..... |

No. 46 TULIP RAIN HEAD
WITH REMOVABLE
FACE AND BALL JOINT

No. 10 FANCY
PERFORATED



Fig. H-65



Fig. H-66

| | | |
|--|------|------|
| Price, No. 10 Perforated Heads, $7\frac{1}{2}$ inches in Diameter, $\frac{1}{2}$ -inch I. P..... | each | 2.50 |
| " " 10 " " $9\frac{1}{2}$ " " $\frac{3}{4}$ " " | " | 4.00 |
| " " 46 Rain Heads, 4 inches in Diameter, $\frac{1}{2}$ -inch I. P..... | " | 4.25 |
| " " 46 " " 4 " " $\frac{3}{4}$ " " | " | 4.50 |

BATH ROOM FURNISHINGS

NICKEL-PLATED BRASS

TOWEL BARS

No. 200



Fig. H-78

| | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|
| Length.....inches | 15 | 18 | 21 | 24 | 30 | 36 |
| Price, 1/2-inch Bar.....each | .45 | .50 | .55 | .60 | .70 | .80 |

No. 202



Fig. H-79

| | | | | | | |
|------------------------------|-----|-----|-----|-----|------|------|
| Length.....inches | 15 | 18 | 20 | 24 | 30 | 36 |
| Price, 1/2-inch Bar.....each | .75 | .80 | .85 | .90 | 1.00 | 1.10 |

No. 204



Fig. H-80

| | | | | | | |
|--|------|------|------|------|------|------|
| Length.....inches | 15 | 18 | 20 | 24 | 30 | 36 |
| Price, 5/8-inch Nickel-plated Bar.....each | .95 | 1.05 | 1.10 | 1.15 | 1.25 | 1.40 |
| “ 5/8 “ Crystal Glass “.....“ | .... | 1.10 | .... | 1.25 | 1.40 | .... |
| “ 5/8 “ Opaline Bar.....“ | .... | 1.25 | .... | 1.45 | 1.70 | .... |

No. 208



Fig. H-81

| | | | | | |
|--|------|------|------|------|------|
| Length.....inches | 18 | 20 | 24 | 30 | 36 |
| Price, 1-inch Nickel-plated Bar.....each | 1.75 | 1.80 | 1.95 | 2.15 | 2.35 |
| “ 1 “ Crystal Glass “.....“ | 1.80 | 1.90 | 2.05 | 2.30 | 2.55 |
| “ 1 “ Opaline Bar.....“ | 1.90 | 2.00 | 2.15 | 2.45 | 2.75 |

BATH ROOM FURNISHINGS

NICKEL-PLATED BRASS

TOWEL BARS

No. 268

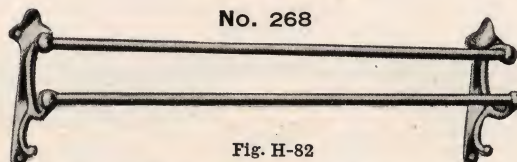


Fig. H-82

| | | | | | |
|----------------------------|--------|------|------|------|------|
| Length | inches | 20 | 24 | 30 | 36 |
| Price, 1/2-inch Bars | each | 1.85 | 2.00 | 2.10 | 2.35 |

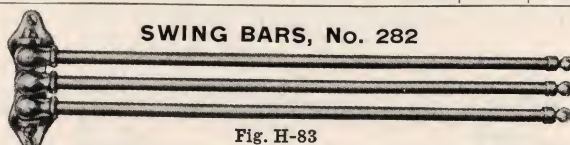


Fig. H-83

| | | | | |
|----------------------------|--------|------|------|------|
| Number of Bars | | 1 | 2 | 3 |
| Length | inches | 16 | 16 | 16 |
| Price, 3/8-inch Bars | each | .90 | 1.15 | 1.40 |
| " 1/2 " " | " | 1.05 | 1.55 | 2.00 |

Four, five and six bars made to order.

GLASS BARS, No. 224

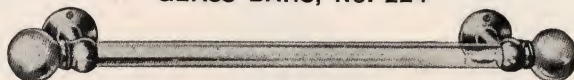


Fig. H-84

| | | | | | | | | | |
|---------------------------------------|--------|------|------|------|------|------|------|------|------|
| Length | inches | 18 | 20 | 24 | 30 | 36 | 48 | 60 | 72 |
| Price, 1-inch Crystal Glass Bar | each | 3.80 | 3.90 | 4.00 | 4.30 | 4.55 | 5.80 | 6.25 | 6.75 |
| " 1 " Opaline Bar | " | 3.90 | 4.00 | 4.15 | 4.45 | 4.75 | 6.00 | 6.55 | 7.10 |

48, 60 and 72-inch lengths made with center post.

CORNER, No. 216

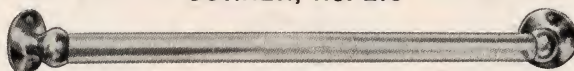


Fig. H-85

| | | | | | |
|---------------------------------------|--------|------|------|------|------|
| Length | inches | 18 | 20 | 24 | 30 |
| Price, 1-inch Nickel-plated Bar | each | 1.75 | 1.80 | 1.95 | 2.15 |
| " 1 " Crystal Glass " | " | 1.80 | 1.90 | 2.05 | 2.30 |
| " 1 " Opaline Bar | " | 1.90 | 2.00 | 2.15 | 2.45 |

TOWEL RINGS, No. 288

Diameter of ring, 5 inches.

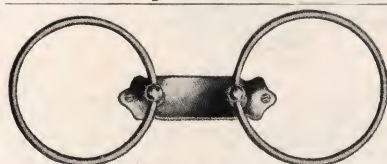


Fig. H-86

| | | |
|--------------------------------------|------|-----|
| Price, Two Rings, as shown | each | .60 |
| " One Ring, with Round Backplate ... | " | .25 |

BATH ROOM FURNISHINGS

NICKEL-PLATED BRASS

GLASS SHELVES

No. 330



Fig. H-87

| | | | | | |
|--|--------|------|------|------|------|
| Size of Shelves | inches | 5x18 | 5x20 | 5x24 | 5x30 |
| Price, $\frac{3}{8}$ -inch Crystal | each | 2.30 | 2.40 | 2.50 | 3.00 |
| " $\frac{3}{8}$ " Opaline | " | 2.80 | 2.90 | 3.00 | 3.50 |

4, 6, 7, 8 and 9-inch widths and special lengths made to order.

No. 344

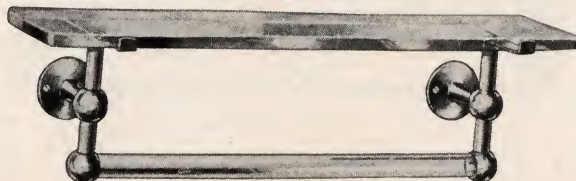


Fig. H-88

| | | | | |
|--|--------|------|------|-------|
| Size of Shelves | inches | 5x24 | 5x27 | 5x30 |
| Price, $\frac{1}{2}$ -inch Crystal | each | 8.00 | 8.75 | 10.50 |
| " $\frac{1}{2}$ " Opaline | " | 8.75 | 9.50 | 11.25 |

Made with nickel-plated or crystal bar with crystal shelf; opaline bar with opaline shelf. Kindly specify when ordering. Diameter of towel bar, 1 inch.

CORNER, No. 350

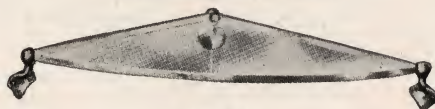


Fig. H-89

| | | | | |
|-------------------------|--------|------|------|------|
| Length along Wall | inches | 10 | 12 | 14 |
| Price, Crystal | each | 3.00 | 3.50 | 4.00 |
| " Opaline | " | 3.50 | 4.00 | 4.50 |

GUARD RAILS FOR GLASS SHELVES, No. 354

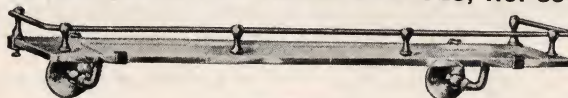


Fig. H-90

| | | | | | |
|---------------------------------------|--------|------|------|------|------|
| Length | inches | 18 | 20 | 24 | 30 |
| Price, Rail only, 5 inches Wide | each | 1.50 | 1.60 | 1.70 | 1.85 |
| " " " 6 " " | " | 1.75 | 1.85 | 2.00 | 2.25 |

BATH ROOM FURNISHINGS

NICKEL-PLATED BRASS

COMB AND BRUSH HOLDER
No. 360



Fig. H-91

HAND BRUSH HOLDER
No. 468

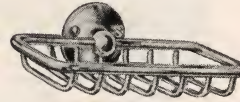


Fig. H-92

| | | |
|--|------|------|
| Price, No. 360, $3\frac{3}{4} \times 10$ inches | each | 1.50 |
| " " 360, $3\frac{3}{4} \times 12$ " | " | 2.50 |
| " " 468, $3\frac{1}{2} \times 5\frac{1}{2}$ " with Flange to Fasten to Wall..... | " | .90 |

If No. 360 with Back 3 inches High, add..... .75

TOOTH BRUSH HOLDERS

No. 478



Fig. H-94

No. 470



Fig. H-93

No. 476



Fig. H-95

| | | |
|--|------|-----|
| Price, No. 470, with Disc Perforated for Six Brushes | each | .50 |
| " " 478, Spreader " " " " with Glass Tumbler... " | " | .75 |
| " " 476, Perforated for Six Brushes | " | .35 |

TOOTH BRUSH HOLDER
No. 482



Fig. H-96

TUMBLER HOLDER
No. 492

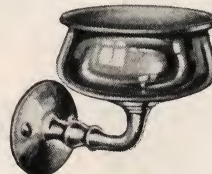


Fig. H-97

| | | |
|--|------|------|
| Price, No. 482, Tumbler Holder and Tooth Brush Disc..... | each | 1.00 |
| " " 492, " with Arm | " | .65 |

BATH ROOM FURNISHINGS

NICKEL-PLATED BRASS

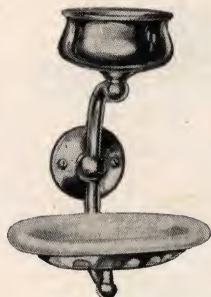
COMBINATION
No. 514

Fig. H-98

DOUBLE TUMBLER HOLDERS
No. 528

Fig. H-99

| | |
|--|------|
| Price, No. 514, Tumbler Holder and Soap Dish with Removable Opal Tray. .each | 1.85 |
| " " 528, Double Tumbler Holder..... " | 1.45 |

COMBINATIONS

No. 518

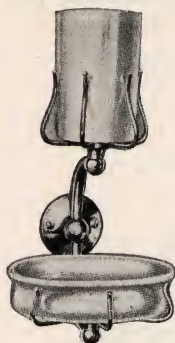


Fig. H-100

No. 522

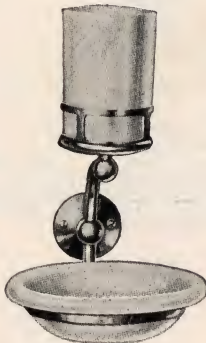


Fig. H-101

No. 552

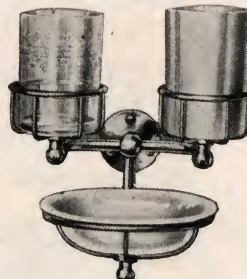


Fig. H-102

| | | |
|--|------|------|
| Price, No. 518, Spring Tumbler Holder and Soap Dish with China Vase and Removable China Tray | each | 2.90 |
| " No. 522, Tumbler Holder and Soap Dish with China Vase and Large China Soap Tray..... | " | 5.00 |
| " No. 552, Combination with China Vase, China Soap Tray and Glass Tumbler | " | 3.75 |

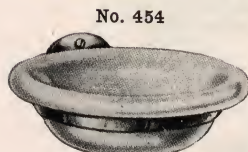
| | |
|--|-----|
| If No. 552 without Glass Tumbler, deduct | .25 |
| " " 552 " China Vase, deduct..... | .50 |

| | | |
|--|------|------|
| Price, No. 434, 4x5½ inches, with Oval China Tray..... | each | 1.60 |
| “ “ 446, 4x5½ “ “ “ “ | “ | 1.20 |
| “ “ 448, 4x5½ “ “ “ Spring Holder..... | “ | 1.35 |

BATH ROOM FURNISHINGS

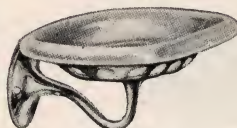
NICKEL-PLATED BRASS

SOAP DISHES



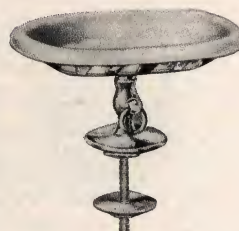
No. 454

Fig. H-111



No. 444

Fig. H-112



No. 458

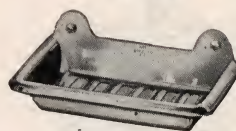
Fig. H-113

| | | |
|--|------|------|
| Price, No. 454, with $4\frac{3}{4}$ x6-inch Roll Rim China Tray..... | each | 3.00 |
| " " 454, " $5\frac{1}{2}$ x7 $\frac{1}{4}$ " " " " | " | 3.75 |
| " " 444, " Opal Tray..... | " | 1.20 |
| " " 444, without Opal Tray..... | " | 1.00 |
| " " 458, with $5\frac{1}{2}$ x4-inch Opal Tray, Base and Chain Stay..... | " | 1.40 |



No. 414

Fig. H-114



No. 418

Fig. H-115

| | | |
|--|------|-----|
| Price, No. 414, with Stamped and Slotted Bottom..... | each | .15 |
| " " 414, " Bottom Unslotted..... | " | .20 |
| " " 416, Corner Pattern (Stamped)..... | " | .20 |
| " " 418, 3x5-inch (Stamped)..... | " | .40 |

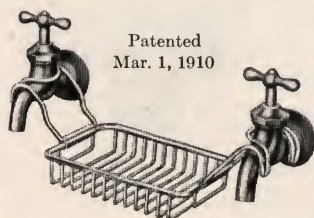
Patented
Mar. 1, 1910

Fig. H-116

No. 182

For Kitchen Sink

| | | |
|------------|------|------|
| Price..... | each | 1.00 |
|------------|------|------|

BATH ROOM FURNISHINGS

No. 620 TOILET PAPER HOLDERS No. 650

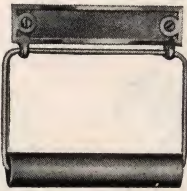


Fig. H-117



Fig. H-118

| | | |
|--|------|------|
| Price, No. 620, with Polished Cherry Wood Roller | each | .25 |
| " " 650, 4 1/2 x 7 inches. | " | 1.50 |
| " " 650, 5 1/2 x 7 1/2 " | " | 2.50 |

No. 634

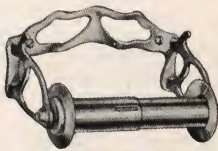


Fig. H-119

No. 626



Fig. H-120

No. 628

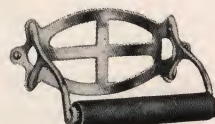


Fig. H-121

| | | |
|--|------|------|
| Price, No. 634, with Spring Roller | each | 1.20 |
| " " 626, Compression Holder with Heavy Spring in Side Arms. | " | 1.50 |
| " " 628, with Polished Cherry Wood Roller | " | .85 |

Toilet paper of various qualities can be furnished. Prices on application.

HOOKS

No. 590



Fig. H-122

No. 596



Fig. H-123

No. 600



Fig. H-124

| | | |
|---|------|------|
| Price, No. 590, 4 inches High. | each | .50 |
| " " 596, 6 " | " | 1.00 |
| " " 600, 3/4-inch Hook, 6 inches High. | " | .40 |
| " " 600, 1/2 " " 7 " | " | .55 |

HOOKS

No. 602



Fig. H-125

No. 614



Fig. H-126

WHISK BROOM HOLDER

No. 588

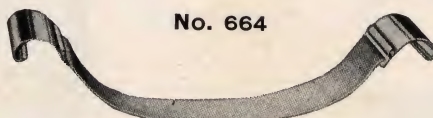


Fig. H-127

| | | |
|---|------|-----|
| Price, No. 602, 3 inches High. | each | .20 |
| " " 614, for Razor Strop or Water Bag. | " | .15 |
| " " 588. | " | .30 |

BATH ROOM FURNISHINGS

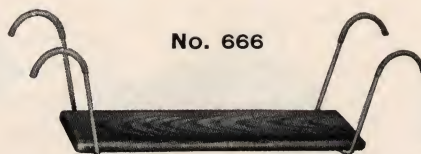
BATH TUB SEATS



No. 664

Fig. H-128

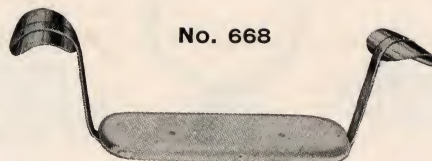
| | | |
|---|------|------|
| Price, Adjustable Canvas Seat with Nickel-plated Brass Clamps | each | 1.75 |
|---|------|------|



No. 666

Fig. H-129

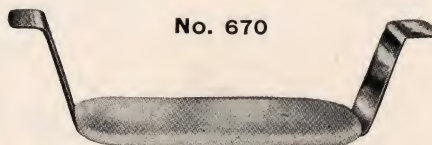
| | | |
|--|------|------|
| Price, Adjustable Oak Seat..... | each | 1.25 |
| " " White Enamel Seat..... | " | 1.75 |
| " Competition Oak Seat with Nickel-plated Iron Straps..... | " | .85 |



No. 668

Fig. H-130

| | | |
|--|------|------|
| Price, Adjustable White Enameled Seat..... | each | 2.50 |
| " " Oak Seat..... | " | 2.00 |



No. 670

Fig. H-131

| | | |
|---|------|-------|
| Price, Adjustable White Enameled Seat with Heavy Nickel-plated Brass Arms, Suitable for Recessed Tub | each | 10.50 |
| " with Oak Seat | " | 9.50 |

BATH ROOM FURNISHINGS

BATH SPRAYS

No. 740

No. 742

No. 738

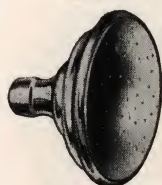


Fig. H-132

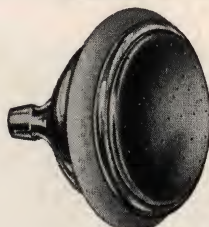


Fig. H-133

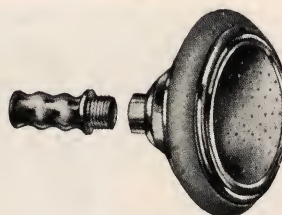


Fig. H-134

| | | | | | | | |
|---------------------|-------|-----|-------|-----|-----|-------|------|
| Number..... | 738 | 740 | 740 | 740 | 742 | 742 | 742 |
| Diameter.....inches | 2 1/4 | 3 | 3 1/2 | 4 | 3 | 3 1/2 | 4 |
| Price.....each | .15 | .25 | .40 | .60 | .45 | .75 | 1.00 |

RUBBER BOUND BATH SPRAY
WITH 5-FOOT TUBING, No. 750



Fig. H-135

SPRAY HOLDER
No. 754



Fig. H-136

TOGGLE BOLT
ROUND OR FLAT HEAD
3/8-IN. SCREW, 1/4-IN. BOLT
No. 780

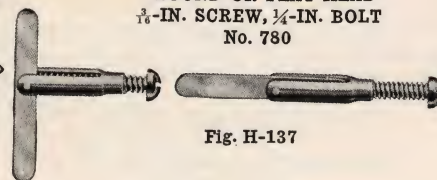


Fig. H-137

BATH SPRAYS AND SPRAY HOLDERS

| | | | | |
|---------------------|-----|-------|------|------|
| Number..... | 750 | 750 | 750 | 754 |
| Diameter.....inches | 3 | 3 1/2 | 4 | .... |
| Price.....each | .95 | 1.10 | 1.30 | .30 |

TOGGLE BOLTS

| | | | | | | | |
|------------------------------|------|------|-------|------------|------------|------------|------------|
| Thickness of Wall.....inches | 7/8 | 1 | 1 1/4 | 1 1/2 to 2 | 2 to 2 1/2 | 2 1/2 to 3 | 3 to 3 1/2 |
| Price.....per 100 | 5.75 | 6.00 | 6.25 | 6.50 | 7.50 | 8.00 | 10.00 |

No. 320

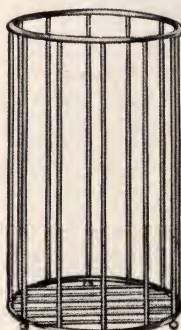


Fig. H-138

No. 322

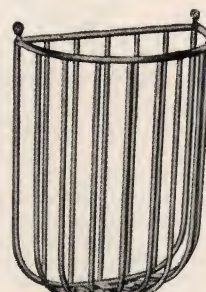


Fig. H-139

TOWEL BASKETS

| | |
|--|-------|
| Price, No. 320; Height, 20 inches; Diameter, 12 inches.....each | 8.50 |
| " No. 320; Height, 18 inches; Diameter, 10 1/2 inches.....each | 7.50 |
| " No. 322; 6 1/2 x 12 x 16 inches " " " " " " | 10.50 |

BATH ROOM FURNISHINGS

ADJUSTABLE TRIPLE MIRRORS, No. 676

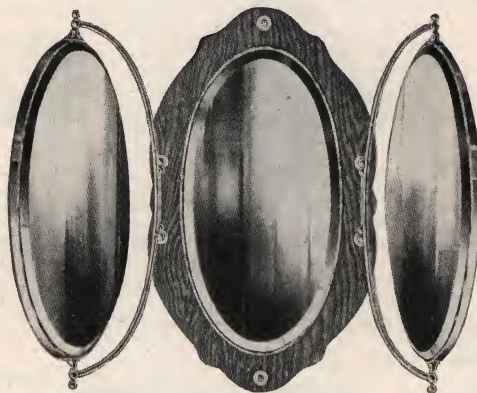


Fig. H-140

The mirror backs are of new design and made of $\frac{1}{2}$ -inch 5-ply veneer. The hinges are friction pattern; nickel-plated brass trimmings.

| | | |
|---|------|-------|
| Price, Oval Mirrors, 12x22 inches, Mahogany Backboard, Oak or White Enameled..... | each | 24.00 |
| " Oval Mirrors, 10x14 inches..... | " | 20.00 |

BEVELED OVAL MIRROR, No. 696

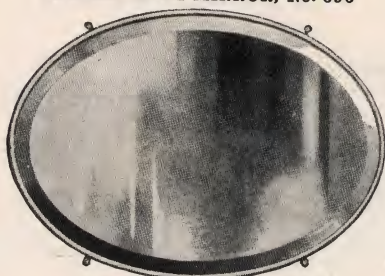


Fig. H-141

TILTING ATTACHMENT, No. 702



Fig. H-142

BEVELED OVAL MIRRORS, No. 696

Made of the finest quality French plate, with $\frac{5}{16}$ -inch wide nickel-plated frame, constructed so it is attached to mirror and metal backing without the use of either brads or glue, thereby making it dust and weatherproof.

| | | | | | | | |
|-------------------|--------|-------|-------|-------|-------|-------|-------|
| Mirror Size | inches | 10x14 | 12x22 | 14x20 | 16x20 | 16x24 | 20x28 |
| Price | each | 4.00 | 5.00 | 5.00 | 6.00 | 7.00 | 10.00 |

TILTING ATTACHMENT, No. 702

The attachment allows the mirror to tilt forward, the greatest inclination of the tilt depending on the arm. The standard length of arms is 4 inches, allowing 45 degrees as the greatest inclination; can be increased to any specified length, according to order. The mechanism of this attachment is so perfect that the mirror will remain at any angle in which it may be placed.

| | | |
|--------------------------------------|------|------|
| Price, Tilting Attachment only | each | 2.50 |
|--------------------------------------|------|------|

BATH ROOM FURNISHINGS

MIRRORS

OVAL, No. 708

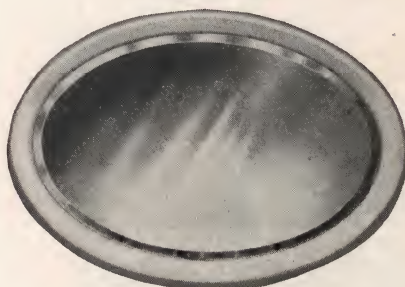


Fig. H-143

OBLONG, No. 710



Fig. H-144

These mirrors are made of finest quality French plate, beveled, with white enameled hand-polished wood frames and concealed hanger hooks. No. 706 has square corners.

| Size.....inches | 12x18 | 14x20 | 16x20 | 16x24 | 18x24 | 18x30 | 18x36 |
|--|-------|-------|-------|-------|-------|-------|-------|
| Price, No. 708 Oval, 1½-in. Frame. each | 4.50 | 5.50 | 6.00 | 7.25 | 8.00 | 9.00 | .... |
| " " 708 " 2 " " " | .... | .... | .... | .... | .... | .... | 12.50 |
| " " 706 Oblong, 1½-in. Frame " " | 4.50 | 5.50 | 6.00 | 7.00 | 8.00 | 8.75 | .... |
| " " 706 " 2 " " " | .... | .... | .... | .... | .... | .... | 12.75 |
| " " 710, 1½-in. Frame. " | 4.50 | 5.50 | 6.00 | 7.25 | 8.00 | 9.00 | .... |
| Size.....inches | 20x30 | 22x33 | 24x30 | 28x36 | 28x42 | 28x48 | .... |
| Price, No. 708 Oval, 2-in. Frame....each | 11.50 | 16.00 | 12.75 | 23.00 | .... | .... | .... |
| " " 706 Oblong, 2-in. Frame. " " | 12.00 | 16.50 | 12.75 | 22.25 | 25.25 | 28.75 | .... |
| " " 710, 1½-in. Frame. " | 11.50 | .... | .... | .... | .... | .... | .... |

ROUND, No. 712

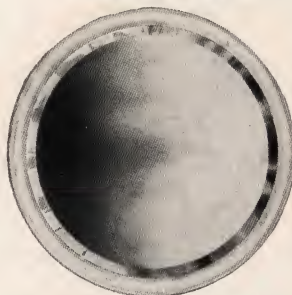


Fig. H-145

ROUND

SHAVING, No. 686

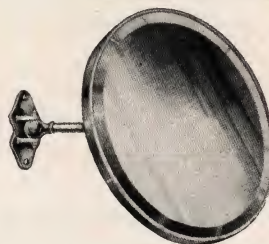


Fig. H-146

This mirror is made of finest quality French plate, with either white enameled hand-polished wood frame or ½-inch wide nickel-plated frame. Concealed hanger hooks.

| Diameter.....inches | 18 | 22 |
|--|------|-------|
| Price, No. 712, with White Enameled Polished Wood Frame.....each | 7.00 | 10.00 |
| " " 714, " Nickel-plated Brass Frame, Metal Backing. " | 9.00 | 12.00 |

SHAVING

| | |
|--|------|
| Price, No. 686, 10-inch Round.....each | 3.25 |
| " " 686, 12 " ".....each | 4.00 |
| " " 686, 10x14-inch Oval.....each | 5.00 |

If desired, outside hanger hooks can be furnished for Nos. 708, 710 and 712.

BATH ROOM FURNISHINGS

MEDICINE CABINETS

No. 718

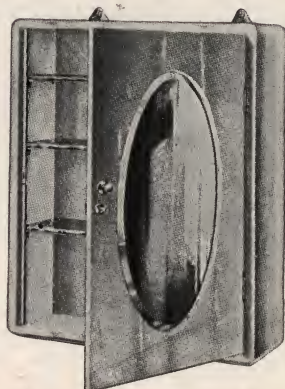


Fig. H-147

No. 720



Fig. H-148

| | |
|--|-------|
| Price, No. 718, White Enamel Medicine Cabinet with Nickel-plated Knob, Lock and Key, Beveled French Plate Oval Mirror and Plate Glass Shelves, 18x24 inches Outside; Mirror, 12x18 inches.....each | 15.00 |
| " No. 720, White Enamel Medicine Cabinet with Nickel-plated Knob, Lock and Key, Beveled French Plate Mirror and Plate Glass Shelves, 6x18x24 inches Outside; Mirror, 12x18 inches....." | 15.00 |
| " No. 720, with Panel Door instead of Mirror....." | 13.00 |
| " " 726, White Enamel Medicine Cabinet with Nickel-plated Knob, Lock and Key, Beveled French Plate Mirror and Plate Glass Shelves, 9½x21x28 inches Outside; Mirror, 12x20 inches....." | 21.00 |

No. 726 can be furnished with oblong mirror at same price.

BATH STOOLS

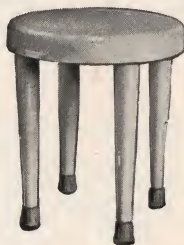


Fig. H-149

This stool is of white enamel. It can be used either in or out of the bath tub as the feet are rubber covered.

Height, 14½ inches; diameter of seat, 13¼ inches.

| | |
|----------------|------|
| Price.....each | 5.00 |
|----------------|------|

VITREOUS CHINA MANICURING TABLES



Fig. H-150

Vitreous China Manicuring Table with Center Bowl, Porcelain Integral Supply, Hooded Overflow and Vitreous China Leg with Wall Supports, fitted with Combination Compression Supply and Pop-up Waste with Solid China Cross-Arm Handles, and Nickel-plated Bag Trap.

Slab 18x32 inches

| | |
|-------------------------------------|-------|
| Price, as described..... | 86.60 |
| “ without Fittings..... | 43.60 |
| Trap and Supply Pipes not included. | |

VITREOUS CHINA LAVATORIES

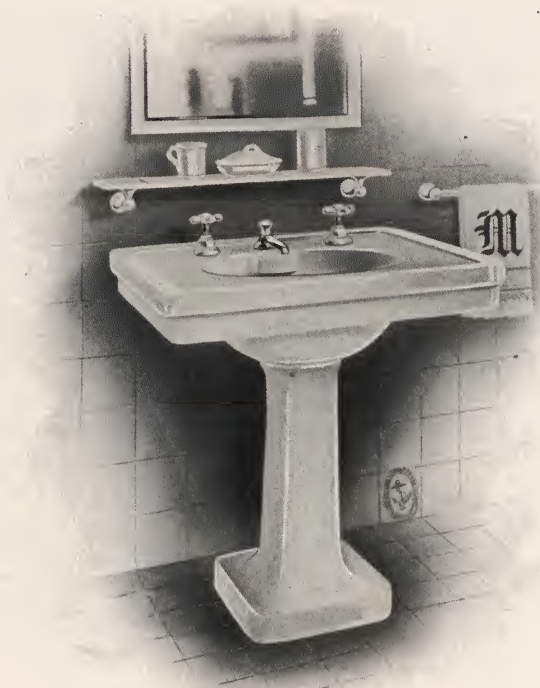


Fig. H-151

Vitreous China Straight Front Lavatory with "D" Pattern Basin, Hooded Overflow and Splash Rim, Vitreous China Pedestal and Wall Supports, fitted with Nickel-plated Compression Combination Supply and Pop-up Waste Fitting with China Cross Handles and China Escutcheons and China Knob on Waste, Nickel-plated Supply Pipes to Wall and Nickel-plated Vented "P" Trap.

| | |
|-------------------|----------------------|
| Slab 20x24 inches | Basin 12½x16½ inches |
| Slab 22x28 inches | Basin 12½x16½ inches |
| Slab 24x30 inches | Basin 13x18 inches |

| | | | |
|----------------------------|-------|-------|-------|
| Sizes..... | 20x24 | 22x28 | 24x30 |
| Price, as described | 55.00 | 64.50 | 68.00 |
| " without Fittings..... | 29.00 | 38.50 | 42.00 |

VITREOUS CHINA LAVATORIES



Fig. H-152

Vitreous China Swell Front Lavatory with "D" Pattern Basin, Patent Overflow, Vitreous China Pedestal, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Pop-up Waste with China Knob and Nickel-plated "P" Trap.

Can also be furnished with Combination Supply and Waste Fitting.

Slab 20x24 inches Basin $12\frac{1}{2} \times 16\frac{1}{2}$ inches

| | |
|-----------------------------|-------|
| Price, as described | 50.00 |
| " without Fittings | 35.00 |

VITREOUS CHINA LAVATORIES



Fig. H-153

Vitreous China Swelled Front Lavatory with "D" Pattern Basin, Hooded Overflow and Splash Rim, Vitreous China Pedestal and Wall Supports, fitted with Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and China Escutcheon and Nickel-plated Vented "P" Trap.

| | |
|-------------------|---|
| Slab 22x26 inches | Basin 12 $\frac{1}{4}$ x16 $\frac{1}{2}$ inches |
| Slab 24x30 inches | Basin 13x18 inches |
| Slab 24x33 inches | Basin 13x18 inches |

| | | | |
|-----------------------------|-------|-------|-------|
| Sizes | 22x26 | 24x30 | 24x33 |
| Price, as described | 53.50 | 61.50 | 71.50 |
| " without Fittings | 34.00 | 42.00 | 52.00 |

VITREOUS CHINA LAVATORIES



Fig. H-154

Vitreous China Oval Lavatory with "D" Pattern Basin, Hooded Overflow and Splash Rim, Vitreous China Pedestal and Wall Supports, fitted with Nickel-plated Fuller Combination Supply and Pop-up Waste Fitting with China Handles and China Escutcheons and China Knob on Waste, Nickel-plated Supply Pipes to Wall and Nickel-plated Vented "P" Trap.

| | |
|-------------------|----------------------|
| Slab 22x26 inches | Basin 12½x16½ inches |
| Slab 24x30 inches | Basin 13x18 inches |
| Slap 24x33 inches | Basin 13x18 inches |

| | | | |
|----------------------------|-------|-------|-------|
| Sizes | 22x26 | 24x30 | 24x33 |
| Price, as described | 60.00 | 68.00 | 78.00 |
| " without Fittings..... | 34.00 | 42.00 | 52.00 |

VITREOUS CHINA LAVATORIES



Fig. H-155

Vitreous China Straight Front Lavatory with "D" Pattern Basin, Hooded Overflow and Splash Rim, Vitreous China Leg and Wall Supports, fitted with Nickel-plated Compression Faucets with Solid China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and China Escutcheon, and Nickel-plated Bag Trap.

Slab 20x24 inches Basin 12½x16¼ inches

| | |
|---------------------------|-------|
| Price, as described | 38.00 |
| " without Fittings..... | 22.00 |

This lavatory may also be fitted with Combination Supply and Waste Fitting.

VITREOUS CHINA LAVATORIES

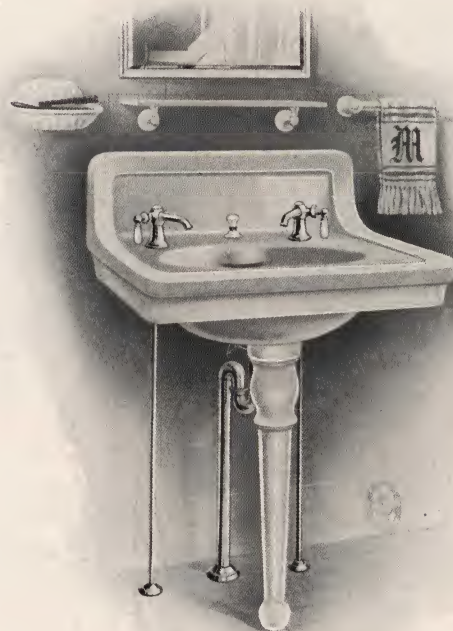


Fig. H-156

Vitreous China Straight Front Lavatory with Integral Back, "D" Pattern Basin, Hooded Overflow and Splash Rim, Vitreous China Leg and Wall Supports, Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated Supply Pipes to Floor, Nickel-plated Pop-up Waste with China Knob and China Escutcheon and Nickel-plated "S" Trap.

| | | |
|-------------------|---|---------------|
| Slab 20x24 inches | Basin 12 $\frac{1}{2}$ x16 $\frac{1}{2}$ inches | Back 6 inches |
| Slab 22x26 inches | Basin 12 $\frac{1}{2}$ x16 $\frac{1}{2}$ inches | Back 6 inches |

| | | |
|----------------------------|-------|-------|
| Sizes..... | 20x24 | 22x26 |
| Price, as described..... | 46.50 | 52.50 |
| " without Fittings..... | 28.00 | 34.00 |

VITREOUS CHINA LAVATORIES



Fig. H-157

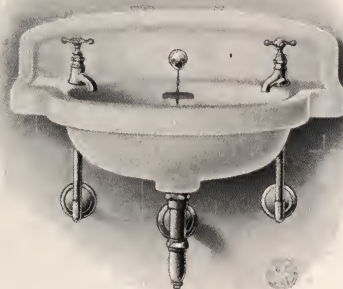


Fig. H-158

FIG. H-157

Vitreous China "Bellemeade" Lavatory with Integral Back, Sanitary Overflow, Splash Rim, Concealed Wall Hangers, "Victor" Compression Faucets with China Indexes, $\frac{3}{8}$ -inch Iron Pipe Size Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Cast Brass "P" Trap and Nickel-plated Pop-up Waste with China Knob.

Slab 18x20 inches Bowl 11x14 inches Back 7 inches

| | |
|--|-------|
| Price, as described..... | 31.35 |
| " without Trimmings..... | 14.00 |
| If with Wheel Handle Stop Valves on Supplies, add..... | 2.10 |
| " without Vent on Trap, deduct..... | 1.05 |
| " " Splash Rim, " | 1.00 |

FIG. H-158

Vitreous China "Space-Saver" Lavatory with Integral Back, Concealed Painted Angle Bracket, Sanitary Overflow, Special Chain Stay through Back, O'Fallon Compression Faucets with China Indexes, $\frac{3}{8}$ -inch Iron Pipe Size Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Cast Brass Vented "P" Trap, Nickel-plated Plug and Coupling and Nickel-plated Chain.

Length 26 inches Width Front to Back, 13 inches Bowl 10x16 $\frac{1}{2}$ inches Back 4 inches

| | |
|--|-------|
| Price, as described..... | 26.35 |
| " without Trimmings..... | 13.00 |
| If with Angle Wall Brackets, add..... | .50 |
| " " Wheel Handle Stop Valves on Supply Pipes, add..... | 2.10 |
| " without Vent on Trap, deduct..... | 1.05 |

VITREOUS CHINA LAVATORIES

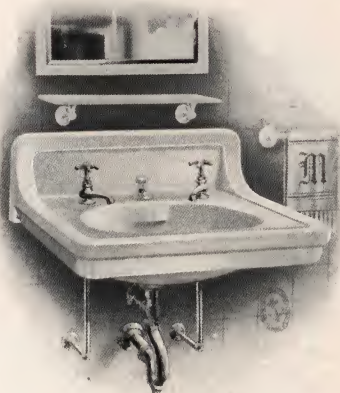


Fig. H-159



Fig. H-160

FIG. H-159

Vitreous China Straight Front Lavatory with Integral Back and "D" Pattern Basin with Hooded Overflow and Splash Rim, Soap Dish Cast in Slab, Concealed Wall Hanger, Nickel-plated Compression Faucets with Four-Ball Cross Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and China Escutcheon and Nickel-plated Bag Trap.

| | | | |
|--------------------------|-------------------|----------------------|---------------|
| | Slab 20x24 inches | Basin 12½x16½ inches | Back 6 inches |
| | Slab 22x26 inches | Basin 12½x16½ inches | Back 6 inches |
| Sizes..... | | | |
| Price, as described..... | 20x24 | 22x26 | |
| | 38.50 | 44.50 | |
| " without Fittings..... | 24.00 | 30.00 | |

FIG. H-160

Vitreous China Straight Front Lavatory with Integral Back and "D" Pattern Basin, Soap Dish Cast in Slab, Concealed Wall Hanger, Nickel-plated Compression Faucets with Four-Ball Cross Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and Escutcheon and Nickel-plated "P" Trap.

| | | | |
|------------------------------|-------------------|----------------------|---------------|
| | Slab 18x20 inches | Basin 12½x16½ inches | Back 6 inches |
| Price, as described..... | | | |
| | | | 27.50 |
| " without Fittings..... | | | 13.00 |
| If with Splash Rim, add..... | | | 1.00 |

VITREOUS CHINA LAVATORIES



Fig. H-161



Fig. H-162

FIG. H-161

Vitreous China Round Front Lavatory with Integral Back, "D" Pattern Basin, Soap Dish Cast in Slab, Concealed Wall Hanger, fitted with Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and Escutcheon and Nickel-plated "P" Trap.

| | | |
|-------------------|----------------------|---------------|
| Slab 16x18 inches | Basin 11½x14½ inches | Back 6 inches |
| Slab 18x20 inches | Basin 12½x16½ inches | Back 6 inches |

| | | |
|---------------------------|-------|-------|
| Sizes | 16x18 | 18x20 |
| Price, as described | 27.50 | 29.50 |
| " without Fittings | 11.00 | 13.00 |

FIG. H-162

Vitreous China Corner Lavatory with Integral Back, "D" Pattern Basin, Hooded Overflow and Splash Rim, fitted with Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated Pop-up Waste with China Knob and Escutcheon and Nickel-plated "P" Trap.

| | | |
|---------------------|----------------------|---------------|
| Slab 16½x16½ inches | Basin 11½x14½ inches | Back 6 inches |
| Slab 19½x19½ inches | Basin 12½x16½ inches | Back 6 inches |

| | | |
|---------------------------|----------|---------|
| Sizes | *16½x16½ | 19½x19½ |
| Price, as described | 32.00 | 45.00 |
| " without Fittings | 16.00 | 29.00 |

*16½-inch size not furnished with Hooded Overflow. If with Splash Rim, add 1.00.

If 19½-inch size is wanted without Hooded Overflow and Splash Rim, deduct 2.00.

ENAMELED IRON LAVATORIES



Fig. H-163



Fig. H-164

FIG. H-163

Enameled Iron Lavatory with Oval Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Fluted Pedestal, Nickel-plated Fuller Combination Supply and Waste Fitting with China Handles, China Indexes and China Knob, Nickel-plated Supply Pipes to Wall with China Indexed Stops and Nickel-plated Bag Trap to Wall.

Slab 24x34 inches Basin 14x18 inches Apron 5 inches

| | |
|--|-------|
| Price, as described, Enameled All Over | 67.00 |
| " without Fittings, Enameled All Over | 37.00 |

FIG. H-164

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Pedestal, Nickel-plated Compression Combination Supply and Waste Fitting with China Cross Handles and China Knob, Nickel-plated Supply Pipes to Wall with China Indexed Stops and Nickel-plated Bag Trap to Wall.

Slab 24x34 inches Basin 14x18 inches Apron 5 inches

| | |
|--|-------|
| Price, as described, Enameled All Over | 67.00 |
| " without Fittings, Enameled All Over | 37.00 |

ENAMELED IRON LAVATORIES



Fig. H-165



Fig. H-166

FIG. H-165

Enameled Iron Pedestal Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Pedestal, Nickel-plated Fuller Combination Supply and Waste Fitting with China Indexed Handles and China Knob on Waste, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes and $1\frac{1}{4}$ -inch "P" Trap.

| | | | | | |
|---|-------------------|--------------------|-----------------------------|-------|-------|
| | Slab 20x28 inches | Basin 12x15 inches | Apron $4\frac{1}{2}$ inches | | |
| | Slab 24x34 inches | Basin 14x18 inches | Apron $4\frac{1}{2}$ inches | | |
| Sizes | | | | 20x28 | 24x34 |
| Price, as described, Enameled All Over..... | | | | 56.70 | 67.00 |
| " without Fittings, Enameled All Over | | | | 26.70 | 37.00 |

FIG. H-166

Enameled Iron Pedestal Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Pedestal, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, $\frac{3}{8}$ -inch Supply Pipes, Standing Overflow and Waste with China Knob and $1\frac{1}{4}$ -inch "P" Trap.

| | | | | | |
|---|-------------------|--------------------|-----------------------------|-------|-------|
| | Slab 20x28 inches | Basin 12x15 inches | Apron $4\frac{1}{2}$ inches | | |
| | Slab 24x34 inches | Basin 14x18 inches | Apron $4\frac{1}{2}$ inches | | |
| Sizes | | | | 20x28 | 24x34 |
| Price, as described, Enameled All Over..... | | | | 49.60 | 59.90 |
| " without Fittings, Enameled All Over..... | | | | 26.70 | 37.00 |

These lavatories can be furnished with combination fittings, secret waste, lift waste or patent overflow.

ENAMELED IRON LAVATORIES



Fig. H-167



Fig. H-168

FIG. H-167

Enameled Iron Pedestal Lavatory with Square Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Pedestal, Nickel-plated Compression Combination Supply and Waste Fitting with China Indexed Four-Arm Handles and China Knob on Waste, $\frac{1}{2}$ -inch Nickel-plated Supply Pipes and $\frac{1}{4}$ -inch "P" Trap.

| | | |
|-------------------|--------------------|----------------|
| Slab 20x24 inches | Basin 12x15 inches | Apron 5 inches |
| Slab 22x27 inches | Basin 14x18 inches | Apron 5 inches |
| Slab 22x30 inches | Basin 14x18 inches | Apron 5 inches |

| | | | |
|---|-------|-------|-------|
| Sizes | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled All Over..... | 47.90 | 51.10 | 54.20 |
| " without Fittings, Enameled All Over..... | 17.90 | 21.10 | 24.20 |

FIG. H-168

Enameled Iron Pedestal Lavatory with Square Slab, "D" Pattern Basin with Rear Patent Overflow Outlet and Apron all in one piece, Soap Dish Cast in Slab, Enameled Iron Pedestal, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, $\frac{1}{2}$ -inch Supply Pipes, $\frac{1}{4}$ -inch "P" Trap, Waste Plug and Chain Stay Bolt.

| | | |
|-------------------|--------------------|----------------|
| Slab 20x24 inches | Basin 12x15 inches | Apron 5 inches |
| Slab 22x27 inches | Basin 14x18 inches | Apron 5 inches |
| Slab 22x30 inches | Basin 14x18 inches | Apron 5 inches |

| | | | |
|---|-------|-------|-------|
| Sizes | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled All Over..... | 36.10 | 39.30 | 42.40 |
| " without Fittings, Enameled All Over..... | 17.90 | 21.10 | 24.20 |

ENAMELED IRON LAVATORIES



Fig. H-169



Fig. H-170

FIG. H-169

Enameled Iron Pedestal Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Hexagonal Pedestal, Nickel-plated Compression Combination Supply and Waste Fitting with China Indexed Four-Arm Handles, China Knob, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes and $1\frac{1}{4}$ -inch Nickel-plated "P" Trap.

Slab 20x24 inches Basin 12x15 inches Apron 5 inches

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 53.10 |
| " without Fittings, Enameled All Over..... | 23.10 |

FIG. H-170

Enameled Iron Pedestal Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Hexagonal Pedestal, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes, Standing Overflow and Waste with China Knob and $1\frac{1}{4}$ -inch Nickel-plated "P" Trap.

Slab 20x24 inches Basin 12x15 inches Apron 5 inches

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 46.00 |
| " without Fittings, Enameled All Over..... | 23.10 |

ENAMELED IRON LAVATORIES



Fig. H-171



Fig. H-172

FIG. H-171

Enameled Iron Lavatory with Oval Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Leg, Enameled Concealed Brackets, Nickel-plated Fuller Faucets with China Handles, China Indexes and China Bases, Nickel-plated Supply Pipes to Wall with China Indexed Stops, Standing Overflow and Waste with China Knob and Nickel-plated "P" Trap.

| | | |
|-------------------|--------------------|----------------|
| Slab 20x28 inches | Basin 12x15 inches | Apron 5 inches |
| Slab 24x34 inches | Basin 14x18 inches | Apron 5 inches |

| | | |
|---|-------|-------|
| Sizes..... | 20x28 | 24x34 |
| Price, as described, Enameled All Over..... | 49.70 | 55.50 |
| “ without Fittings, Enameled All Over..... | 26.80 | 32.60 |

FIG. H-172

Enameled Iron Lavatory with Oval under Roll Rim Slab and "D" Pattern Basin with Rear Outlet and Soap Dishes, in one piece, Enameled Leg, Enameled Concealed Brackets, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall with China Indexed Stops, Standing Overflow and Waste with China Knob and Nickel-plated "P" Trap.

| | | |
|-------------------|--------------------|-----------------------|
| Slab 22x28 inches | Basin 14x18 inches | Roll Rim 2 3/8 inches |
|-------------------|--------------------|-----------------------|

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 40.80 |
| “ without Fittings, Enameled All Over..... | 26.70 |

ENAMELED IRON LAVATORIES

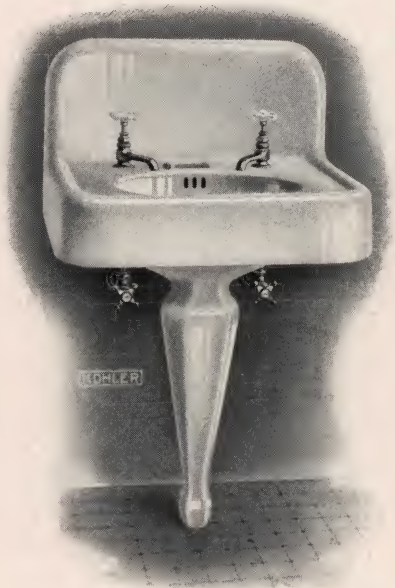


Fig. H-173



Fig. H-174

FIG. H-173

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Patent Overflow and Rear Outlet, Back and Apron all in one piece, Enameled Iron Hexagonal Leg, Concealed Hanger, Nickel-plated Compression Faucets with China Cross Handles, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes to Wall with China Indexed Stops, $1\frac{1}{4}$ -inch Nickel-plated "P" Trap, Waste Plug and Chain Stay Bolt.

| | | | | | | |
|---|-------------------|--------------------|----------------|----------------|-------|-------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches | | |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches | | |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches | | |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches | | |
| Sizes..... | | | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled All Over..... | | | 35.40 | 37.30 | 44.70 | 46.90 |
| " without Fittings, Enameled All Over..... | | | 21.30 | 23.20 | 30.60 | 32.80 |

FIG. H-174

Enameled Iron Pedestal Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back and Apron all in one piece, Enameled Iron Hexagonal Leg, Concealed Hanger, Nickel-plated Compression Faucets with China Cross Handles, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes to Wall with China Indexed Stops, Standing Overflow and Waste with China Knob and $1\frac{1}{4}$ -inch Nickel-plated "P" Trap.

| | | | | | | |
|---|-------------------|--------------------|----------------|----------------|-------|-------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches | | |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches | | |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches | | |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches | | |
| Sizes..... | | | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled All Over..... | | | 39.30 | 41.20 | 48.60 | 50.80 |
| " without Fittings, Enameled All Over..... | | | 21.30 | 23.20 | 30.60 | 32.80 |

ENAMELED IRON LAVATORIES

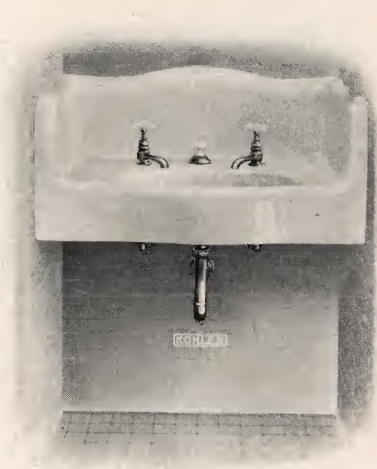


Fig. H-175



Fig. H-176

FIG. H-175

Enameled Iron Recess Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back, End Pieces and Apron all in one piece, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated "P" Trap.

Slab 22x30 inches Basin 13x17 inches Back 10 inches Apron 5 inches

| | |
|--|-------|
| Price, as described, Enameled Exterior | 38.90 |
| " without Fittings, Enameled Exterior | 24.40 |
| If Enameled All Over, add | 4.90 |

FIG. H-176

Enameled Iron Recess Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back, End Pieces and Apron all in one piece, Concealed Wall Hangers, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated "P" Trap.

Slab 18x24 inches Basin 12x15 inches Back 7½ inches Apron 5 inches
Slab 20x26 inches Basin 12x15 inches Back 8 inches Apron 5 inches

| | | |
|--|-------|-------|
| Sizes | 18x24 | 20x26 |
| Price, as described, Enameled Exterior | 36.60 | 38.10 |
| " without Fittings, Enameled Exterior | 18.00 | 19.50 |
| If Enameled All Over, add | 4.50 | 4.90 |

ENAMELED IRON LAVATORIES

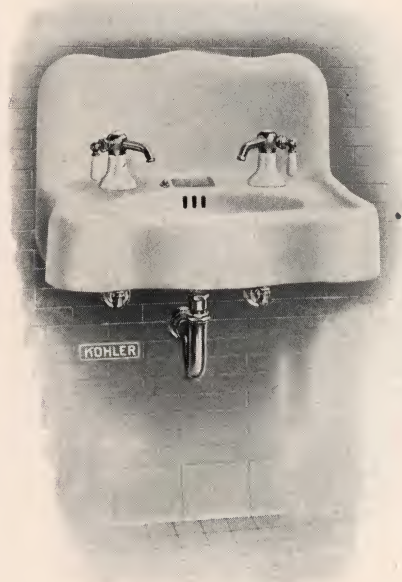


Fig. H-177



Fig. H-178

FIG. H-177

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Depressed Soap Dish, Back and Apron all in one piece, Concealed Wall Hanger, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | | | |
|---|-------------------|--------------------|----------------|----------------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| Sizes.....inches | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled Exterior..... | 24.40 | 26.30 | 32.90 | 35.10 |
| " without Fittings, Enameled Exterior..... | 10.30 | 12.20 | 18.80 | 21.00 |
| If Enameled All Over, add..... | 3.00 | 4.40 | 4.60 | 5.30 |

FIG. H-178

Enameled Iron Corner Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back, Right-Hand End and Apron all in one piece, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated Bag Trap.

| | | | | |
|---|-------------------|--------------------|----------------|----------------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| Sizes.....inches | 18x24 | 20x24 | | |
| Price, as described, Enameled Exterior..... | | 31.40 | | 34.30 |
| " without Fittings, Enameled Exterior..... | | 16.40 | | 19.30 |
| If Enameled All Over, add..... | | 4.10 | | 5.60 |

Also furnished with Left-Hand End.

ENAMELED IRON LAVATORIES



Fig. H-179



Fig. H-180

FIG. H-179

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back and Apron all in one piece, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated Bag Trap.

| | | | | |
|---|-------------------|--------------------|----------------|----------------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| Sizes | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled Exterior..... | 25.30 | 27.20 | 33.80 | 36.00 |
| " without Fittings, Enameled Exterior..... | 10.30 | 12.20 | 18.80 | 21.00 |
| If Enameled All Over, add..... | 3.00 | 4.40 | 4.60 | 5.30 |

FIG. H-180

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Depressed Soap Dish, Back and Apron all in one piece, Concealed Wall Hanger, Nickel-plated Fuller Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | | | |
|---|-------------------|--------------------|----------------|----------------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| Sizes | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled Exterior..... | 21.40 | 23.30 | 29.90 | 32.10 |
| " without Fittings, Enameled Exterior..... | 10.30 | 12.20 | 18.80 | 21.00 |
| If Enameled All Over, add | 3.00 | 4.40 | 4.60 | 5.30 |

ENAMELED IRON LAVATORIES



Fig. H-181



Fig. H-182

FIG. H-181

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back and Apron all in one piece, Concealed Wall Hanger, Nickel-plated Fuller Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated Bag Trap.

| | | | |
|-------------------|--------------------|----------------|-----------------|
| Slab 17x19 inches | Basin 11x14 inches | Back 6½ inches | Apron 4¾ inches |
| Slab 18x21 inches | Basin 11x14 inches | Back 8 inches | Apron 4¾ inches |
| Slab 19x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |

| | | | |
|--|-------|-------|-------|
| Sizes | 17x19 | 18x21 | 19x24 |
| Price, as described, Enameled Exterior | 22.70 | 24.10 | 26.40 |
| " without Fixtures, Enameled Exterior | 6.60 | 8.00 | 10.30 |
| If Enameled All Over, add | 4.00 | 4.00 | 4.00 |

FIG. H-182

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Depressed Soap Dish, Back and Apron all in one piece, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | | |
|-------------------|--------------------|----------------|-----------------|
| Slab 17x19 inches | Basin 11x14 inches | Back 6½ inches | Apron 4¾ inches |
| Slab 18x21 inches | Basin 11x14 inches | Back 8 inches | Apron 4¾ inches |
| Slab 19x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |

| | | | |
|--|-------|-------|-------|
| Sizes | 17x19 | 18x21 | 19x24 |
| Price, as described, Enameled Exterior | 17.10 | 18.50 | 20.80 |
| " without Fittings, Enameled Exterior | 6.60 | 8.00 | 10.30 |
| If Enameled All Over, add | 4.00 | 4.00 | 4.00 |

ENAMELED IRON LAVATORIES



Fig. H-183



Fig. H-184

FIG. H-183

Enameled Iron Corner Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Backs and Apron all in one piece, Concealed Wall Hangers, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated "P" Trap.

| | | | |
|--|--------------------|----------------|----------------|
| Length on Sides 17½ inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| Price, as described, Enameled Exterior | | | 38.10 |
| " without Fittings, Enameled Exterior | | | 19.50 |
| If Enameled All Over, add | | | 2.60 |

FIG. H-184

Enameled Iron Corner Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Back and Apron all in one piece, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Standing Overflow and Waste with China Knob and Nickel-plated Bag Trap.

| | | | |
|---|--------------------|----------------|----------------|
| Length on Sides 20 inches | Basin 11x14 inches | Back 10 inches | Apron 5 inches |
| Price as described, Enameled Exterior | | | 29.60 |
| " without Fittings, Enameled Exterior | | | 14.60 |
| If Enameled All Over, add | | | 2.20 |

ENAMELED IRON LAVATORIES



Fig. H-187



Fig. H-188

FIG. H-187

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Depressed Soap Dish and Back all in one piece, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | | | |
|--|-------------------|--------------------|----------------|--|
| | Slab 17x19 inches | Basin 11x14 inches | Back 6 inches | |
| | Slab 18x21 inches | Basin 12x15 inches | Back 8 inches | |
| | Slab 19x24 inches | Basin 12x15 inches | Back 10 inches | |
| Size..... | inches | | | |
| | 17x19 | 18x21 | 19x24 | |
| Price, as described, Enameled Exterior | 15.10 | 16.60 | 18.70 | |
| " without Fittings, Enameled Exterior | 5.10 | 6.60 | 8.70 | |
| If Enameled All Over, add..... | 4.00 | 4.00 | 4.00 | |

FIG. H-188

Enameled Iron Lavatory with Slab, Oval Basin with Center Outlet, Patent Overflow, Depressed Soap Dish and Back all in one piece, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | | | |
|--|-------------------|--------------------|---------------|--|
| | Slab 18x21 inches | Basin 11x14 inches | Back 6 inches | |
| | Slab 18x21 inches | Basin 11x14 inches | Back 8 inches | |
| Sizes..... | inches | | | |
| | 18x21x6 | 18x21x8 | | |
| Price, as described, Enameled Exterior | 13.20 | 14.70 | | |
| " without Fittings, Enameled Exterior | 5.10 | 6.60 | | |
| If Enameled All Over, add..... | 4.00 | 4.00 | | |

ENAMELED IRON LAVATORIES



Fig. H-189



Fig. H-190

FIG. H-189

Enameled Iron Corner Lavatory with Slab, Basin, Patent Overflow, Depressed Soap Dish and Back all in one piece, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | |
|---|---------------------------------|---------------|
| Length on Sides 19 inches | Basin 11x14 inches, Oval | Back 6 inches |
| Length on Sides 19 inches | Basin 11x14 inches, "D" Pattern | Back 8 inches |
| Sizes..... | 19x19x6 | 19x19x8 |
| Price, as described, Enameled Exterior..... | 19.00 | 19.20 |
| " without Fittings, Enameled Exterior..... | 9.00 | 9.20 |
| If Enameled All Over, add..... | 2.40 | 2.80 |

FIG. H-190

Enameled Iron Corner Lavatory with Slab, Oval Basin with Center Outlet, Patent Overflow and Depressed Soap Dish all in one piece, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Cross Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

| | | |
|---|--------------------|---------------|
| Length on Sides 16½ inches | Basin 11x14 inches | Back 6 inches |
| Price, as described, Enameled Exterior..... | | 16.20 |
| " without Fittings, Enameled Exterior..... | | 6.20 |
| If Enameled All Over, add..... | | 3.50 |

ENAMELED IRON LAVATORIES



Fig. H-191



Fig. H-192

FIG. H-191

Enameled Iron Lavatory with Slab, Round Basin with Center Outlet, Patent Overflow and Back all in one piece, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Index Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

Width 14 inches Basin 12 inches Back 5 inches

| | |
|--|-------|
| Price, as described, Enameled Exterior | 12.50 |
| " without Fittings, Enameled Exterior | 4.40 |
| If Enameled All Over, add | 2.30 |

FIG. H-192

Enameled Iron Corner Lavatory with Slab, Round Basin with Center Outlet, Patent Overflow and Depressed Soap Dish all in one piece, Concealed Wall Hangers, Nickel-plated Fuller Faucets, Nickel-plated Supply Pipes to Wall, Nickel-plated "P" Trap and Chain Stay Bolt.

Length on Sides 15 inches Basin 12 inches Back 5 inches

| | |
|--|-------|
| Price, as described, Enameled Exterior | 13.40 |
| " without Fittings, Enameled Exterior | 4.90 |
| If Enameled All Over, add | 1.80 |

ENAMELED IRON TWO-BOWL LAVATORIES

ONE PIECE



Fig. H-193

Enameled Iron Two-Bowl Lavatory with Slab, "D" Pattern Basins, with Patent Overflow, Rear Outlets, Back and Apron all in one piece and Depressed Soap Cups in Slab, Enameled Iron Legs and Concealed Hangers, Fuller Faucets with China Handles, China Indexes and China Bases, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes with Compression Stops with Four-Ball Handles and China Indexes, $1\frac{1}{4}$ -inch "P" Traps, Waste Plugs and Nickel-plated Chain Stay Bolts.

This Lavatory can also be furnished with Roll Rim.

Slab 18x46 inches Basin 12x15 inches Back 10 inches Apron 5 inches

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 80.50 |
| " without Fittings, Enameled All Over..... | 44.10 |

ENAMELED IRON LAVATORIES

IN BATTERIES

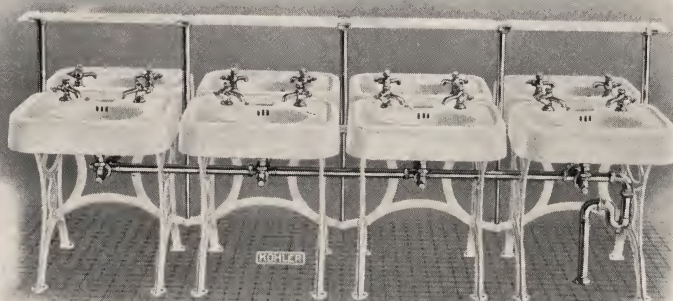


Fig. H-194

Battery of Eight (Four Double Sections) Enameled Iron Square Lavatories, each Slab with "D" Pattern Basin with Rear Outlet, Patent Overflow and Apron all in one piece, Soap Dish Cast in Slab, Set on Painted Iron Brackets to Floor, Opaline Glass Towel Shelf on Nickel-plated Supports, Nickel-plated Self-Closing Faucets with China Handles and China Indexes, 1½-inch Nickel-plated Continuous Waste, 1½-inch "S" Trap, Waste Plugs and Chain Stay Bolts.

Slabs 20x24 inches Basins 12x15 inches Aprons 5 inches

| | |
|---|--------|
| Price, as described, Enameled Exterior..... | 304.90 |
| " without Faucets and Waste..... | 204.40 |
| If Enameled All Over, add..... | 25.60 |

VITREOUS CHINA BARBERS' LAVATORIES



Fig. H-195

Vitreous China Barbers' Lavatories on Vitreous China Pedestals with Nickel-plated Fuller Combination Shampoo and Basin Cocks with China Handles, Nickel-plated Supply Pipes to Floor, Standing Overflow and Waste Fittings, with China Knobs, Nickel-plated Waste Pipes and Flask Trap to Floor.

Slabs 22x27 inches Basins 13x17 inches

| | |
|---|--------|
| Price, as described, Double Section | 165.00 |
| “ without Fittings, Double Section | 73.00 |
| “ Single Lavatory, without Fittings..... | 36.50 |

VITREOUS CHINA BARBERS' LAVATORIES



Fig. H-196

Vitreous China Barber's Lavatory with Hooded Overflow, Vitreous China Pedestal fitted with Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated Pop-up Waste with China Knob and China Escutcheon, Nickel-plated Combination Shampoo Fixture with Niedecken Anti-Scalding Mixing Valve with China Handle and Shampoo Attachment.

Slab 22x27 inches Basin 12½x16½ inches.

| | |
|----------------------------|--------|
| Price, as described..... | 102.55 |
| “ without Fittings..... | 39.05 |

Trap and Supply Pipes not included.

ENAMELED IRON BARBERS' LAVATORIES



Fig. H-197

Enameled Iron Barbers' Lavatory, with Slab, "D" Pattern Basins with Rear Outlets and Apron all in one piece, Two Enameled Iron Round Fluted Pedestals, Nickel-plated Fuller Faucets with China Bases, China Handles and China Indexes, Nickel-plated Fuller Double Shampoo Cock with Hose and Spray, Combination Supply Pipes, Secret Wastes with China Knobs and Double Connection Bottle Trap.

Slab 26x46 inches Basins 14x18 inches

| | |
|---|--------|
| Price, as described, Enameled All Over..... | 131.20 |
| " without Fittings, Enameled All Over..... | 64.40 |

ENAMELED IRON BARBERS' LAVATORIES



Fig. H-198

FIG. H-198

Enameled Iron Lavatory with Slab, Soap Dishes, Extra Large "D" Pattern Basin with Rear Outlet and Large Under Roll Rim all in one piece, Enameled Leg, Wall Supports, Nickel-plated Fuller Combination Basin and Shampoo Fitting with China Indexed Handles, Rubber Hose and Spray and Secret Waste with China Knob.

Slab 22x28 inches Basin 14x18 inches

| | |
|--|-------|
| Price, as described, Enameled All Over | 56.70 |
| " without Fittings, Enameled All Over | 26.70 |

FIG. H-199

Enameled Iron Lavatory with Slab, "D" Pattern Basin with Rear Outlet and Apron all in one piece, Enameled Iron Pedestal, Nickel-plated Fuller Double Basin and Shampoo Cock with China Handles, Rubber Hose and Spray and Secret Waste with China Knob.

Slab 20x28 inches Basin 12x15 inches Apron 5 inches
Slab 24x34 inches Basin 14x18 inches Apron 5 inches

| | | | |
|--|--------|-------|-------|
| Sizes | inches | 20x28 | 24x34 |
| Price, as described, Enameled All Over | | 49.00 | 59.30 |
| " without Fittings, Enameled All Over | | 28.70 | 39.00 |

ENAMELED IRON BARBERS' LAVATORIES



Fig. H-200



Fig. H-201

FIG. H-200

Enameled Iron Barber's Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Back and Apron all in one piece, Soap Dish Cast in Slab, Concealed Wall Hangers, Nickel-plated Fuller Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated Fuller Double Shampoo Cock with China Indexed Handles, Spray, Rubber Hose and Chain Stay Bolt and Nickel-plated "P" Trap.

| | | | | |
|---|-------------------|--------------------|----------------|----------------|
| | Slab 18x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| | Slab 20x24 inches | Basin 12x15 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x27 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| | Slab 22x30 inches | Basin 14x18 inches | Back 12 inches | Apron 5 inches |
| Sizes.....inches | 18x24 | 20x24 | 22x27 | 22x30 |
| Price, as described, Enameled Exterior..... | 40.30 | 42.20 | 48.80 | 51.00 |
| " without Fittings, Enameled Exterior..... | 12.30 | 14.20 | 20.80 | 23.00 |
| If Enameled All Over, add..... | 3.00 | 4.40 | 4.60 | 5.30 |

FIG. H-201

Enameled Iron Barber's Lavatory with Slab, "D" Pattern Basin with Rear Outlet, Patent Overflow, Back and Apron all in one piece, Soap Dish Cast in Slab, Concealed Wall Hangers, Nickel-plated Compression Faucets with China Indexes, Nickel-plated Supply Pipes to Wall, Nickel-plated Fuller Double Shampoo Cock with China Indexed Handles, Spray, Rubber Hose and Chain Stay Bolt and Nickel-plated "P" Trap.

| | | | | |
|---|-------------------|--------------------|----------------|-----------------|
| | Slab 18x21 inches | Basin 11x14 inches | Back 8 inches | Apron 4¾ inches |
| | Slab 19x24 inches | Basin 12x15 inches | Back 10 inches | Apron 5 inches |
| Sizes.....inches | 18x21 | 19x24 | | |
| Price, as described, Enameled Exterior..... | 32.00 | 34.30 | | |
| " without Fittings, Enameled Exterior..... | 10.00 | 12.30 | | |
| If Enameled All Over, add..... | 4.00 | 4.00 | | |

ENAMELED IRON DENTAL LAVATORIES



Fig. H-202

Enameled Iron Dental Lavatory with Slab, Back, Flushing Rim, Oval Basin and Depressed Tumbler Holder all in one piece, Concealed Hanger, Nickel-plated Compression Gooseneck Basin Cock with China Index (Supplying Spout and Flushing Rim), 1¼-inch "P" Trap and Special Waste Plug.

Slab 12x13 inches Basin 5x7 inches
Back 5 inches

| | |
|---|-------|
| Price, as described, Enameled All Over | 17.20 |
| " with Waste Plug only, Enameled All Over | 13.40 |
| " as described, Enameled Inside | 14.20 |
| " with Waste Plug only, Enameled Inside | 10.40 |

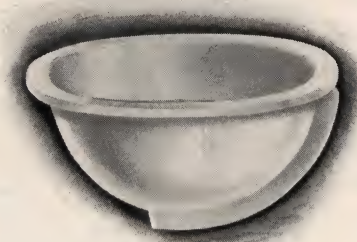
Enameled Iron Dental Lavatory with Slab, Flushing Rim, Oval Basin, Apron and Depressed Tumbler Holder all in one piece, Enameled Iron Square Pedestal, Nickel-plated Compression Gooseneck Basin Cock with China Index (Supplying Spout and Flushing Rim), 1¼-inch "P" Trap and Special Waste Plug.

Slab 12x13 inches Basin 5x7 inches Apron 3 inches
Height to Top of Rim 36 inches

| | |
|---|-------|
| Price, as described, Enameled All Over .. | 32.30 |
| " with Waste Plug only, Enameled All Over | 28.50 |



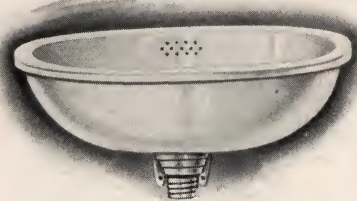
Fig. H-203

EARTHENWARE BASINS**ROUND, PATENT OVERFLOW
METAL PLUG****Fig. H-204**

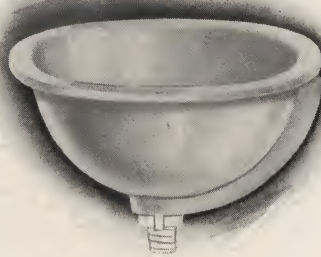
| | |
|--|------|
| Outside Diameter.....inches | |
| Price, Patent Overflow for Metal Plug..... | 1.25 |
| “ “ “ Rubber Plug..... | 1.50 |
| “ no Overflow for Metal Plug..... | 1.00 |

**OVAL, NO OVERFLOW
METAL PLUG****Fig. H-206**

| | | | | | |
|--|------|------|------|------|------|
| Outside Dimensions.....inches | 12 | 13 | 14 | 15 | 16 |
| Price, no Overflow for Metal Plug..... | 1.25 | 1.25 | 1.25 | 2.00 | 2.50 |
| “ Patent Overflow for Metal Plug..... | 1.50 | 1.50 | 1.50 | 2.50 | 3.00 |
| “ no Overflow for Metal Plug..... | 1.00 | 1.00 | 1.00 | 1.50 | 2.00 |

**OVAL, PATENT OVERFLOW
RUBBER PLUG****Fig. H-208**

| | | | | | |
|---|------|------|------|------|------|
| Outside Dimensions.....inches | 12 | 13 | 14 | 15 | 16 |
| Price, Patent Overflow for Rubber Plug..... | 1.25 | 1.25 | 1.25 | 2.00 | 2.50 |
| “ Straight Back, Patent Overflow..... | 1.50 | 1.50 | 1.50 | 2.50 | 3.00 |
| “ “ “ no Overflow..... | 1.00 | 1.00 | 1.00 | 1.50 | 2.00 |

**ROUND, PATENT OVERFLOW
RUBBER PLUG****Fig. H-205****OVAL, PATENT OVERFLOW
METAL PLUG****Fig. H-207****STRAIGHT BACK, NO OVERFLOW****Fig. H-209**

| | | | |
|---|-------|-------|-------|
| Outside Dimensions.....inches | 14x17 | 15x19 | 16x21 |
| Price, Patent Overflow for Rubber Plug..... | 3.50 | 4.50 | 5.50 |
| “ Straight Back, Patent Overflow..... | 5.00 | 6.00 | .... |
| “ “ “ no Overflow..... | 4.50 | 5.50 | .... |

VITREOUS CHINA DRINKING FOUNTAINS



Fig. H-210

Vitreous China Drinking Fountain on Galvanized Iron Standard, fitted with Nickel-plated Continuous Flow Jet.

Height, 30½ inches. Diameter of Bowl, 13½ inches.

Diameter of Base, 14 inches.

Price, as described 36.00

This Fountain may also be fitted with Faucet which operates at side.

Add for Self-Closing Faucet at Side 4.00

Vitreous China Round Drinking Fountain with Integral Back, Vitreous China Bubbling Cup, Concealed Hangers, Nickel-plated Supply Pipe with Loose Key Stop and Enameled Iron Trap.

Diameter of Bowl, 13 inches.

Wall to Front, 15 inches.

Height on Wall, 9½ inches.

Price, as described 28.50

“ without Trap and

Supply Pipes ... 12.50

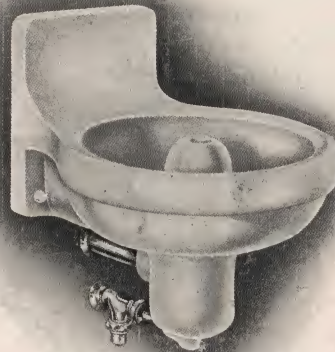


Fig. H-211

VITREOUS CHINA DRINKING FOUNTAINS

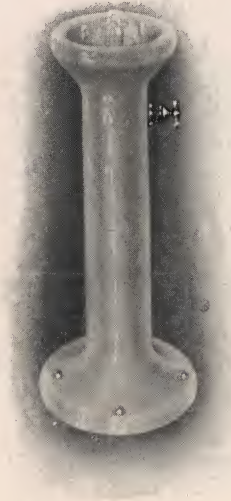


Fig. H-212

Vitreous China Pedestal Drinking Fountain with Vitreous China Bubbling Cup, Nickel-plated Self-Closing Regulating Stop, Supply and Waste in Pedestal and Floor Bolts with China Caps.

Height, 30 or 36 inches.

| | |
|---|-------|
| Price, as described, 30 inches High | 35.00 |
| " " " 36 " " | 42.50 |

If with Continuous Flow, without Regulating Stop, deduct 5.00 from list.

Vitreous China Square Pedestal Drinking Fountain, Vitreous China Bubbling Cup with Push Button and Overflow Spout, Nickel-plated Supply and Waste to Wall and 3½-inch Nickel-plated Brass Strainer.

Height, 30 inches from Floor, including Fittings.

Size of Bowl, 13½x13½ inches.

Depth of Bowl, 3½ inches.

Price, as described 40.30

May be furnished with other various styles of bubblers.



Fig. H-213

VITREOUS CHINA DRINKING FOUNTAINS

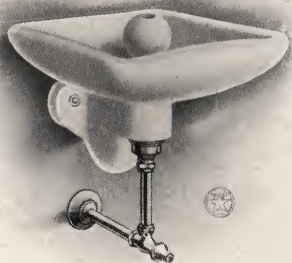


Fig. H-214

Vitreous China Wall Drinking Fountain with Vitreous China Constant Stream Bubbling Cup, Nickel-plated Strainer, Nickel-plated Supply Pipe with Loose Key Valve, Rough Brass Outlet Connection to Wall threaded 1½-inch Iron Pipe Male with Bolts and Gasket.

Bowl, 13½x13½ inches Outside; Depth of Bowl, 3½ inches.

Price, as described 28.10

If fitted with "New Idea" Push Button Self-Closing Bubbling Device with China Cup and China Indexed Push Button, add 1.40

Vitreous Wall Drinking Fountain with Nickel-plated Brass Triple Brackets, Nickel-plated Brass Self-Closing Ring Spout with China Cup, Nickel-plated Strainer, Nickel-plated Supply Pipe with Loose Key Valve, and Nickel-plated Brass Plain Trap to Wall.

Diameter of Bowl, 13½ inches Outside, 9½ inches Inside.

Depth of Bowl Inside, 3¾ inches. Distance from Wall to Front of Bowl, 16¾ inches.

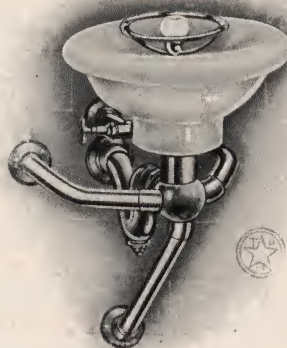


Fig. H-215

Price, as described, "A" quality 40.40
 " " " "B" " 37.40

ENAMELED IRON DRINKING FOUNTAINS



Fig. H-216

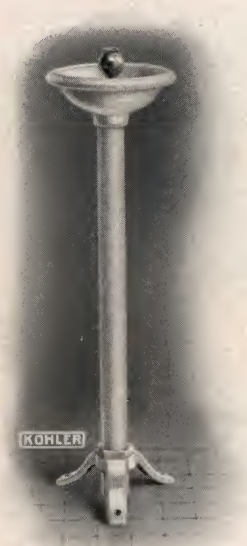


Fig. H-217

FIG. H-216

Enameled Iron Pedestal Drinking Fountain with Nickel-plated Self-Closing Bubbling Valve with Flow Regulator, Adjustable for Continuous Flow of Water, Concealed Galvanized Supply and Waste to Floor.

| | Diameter of Bowl, 15 $\frac{5}{8}$ inches. | Depth, 3 $\frac{1}{2}$ inches. | |
|--|--|--------------------------------|-------|
| Height..... | inches | 30 | 36 |
| Price, as described, Enameled All Over..... | | 30.30 | 31.80 |
| “ “ “ “ Inside Bowl..... | | 24.00 | 24.90 |
| “ “ “ “ “ “ “ “ with Bubbling Valve only, Enameled All Over..... | | 28.30 | 29.60 |
| “ “ “ “ “ “ “ “ “ “ Inside Bowl..... | | 22.00 | 22.70 |

FIG. H-217

Enameled Iron Drinking Fountain, Bowl Enameled All Over, Iron Pipe Standard and Base Painted White, with Nickel-plated Brass Continuous Flow Bubbler with Flow Regulator, Concealed Galvanized Combined Supply and Waste Pipes to Floor.

| | Diameter of Bowl, 9 inches. | Depth, 2 $\frac{1}{2}$ inches. | |
|---|-----------------------------|--------------------------------|-------|
| Height..... | inches | 30 | 36 |
| Price, as described, Enameled All Over..... | | 11.40 | 11.80 |
| “ “ “ “ Inside Bowl..... | | 10.40 | 10.80 |
| “ “ “ “ “ “ “ “ with Bubbler only, Enameled All Over..... | | 9.80 | 10.20 |
| “ “ “ “ “ “ “ “ “ “ Inside Bowl..... | | 8.80 | 9.20 |

If with Adjustable Cup instead of Continuous Flow Cup, add. 3.90

ENAMELED IRON DRINKING FOUNTAINS

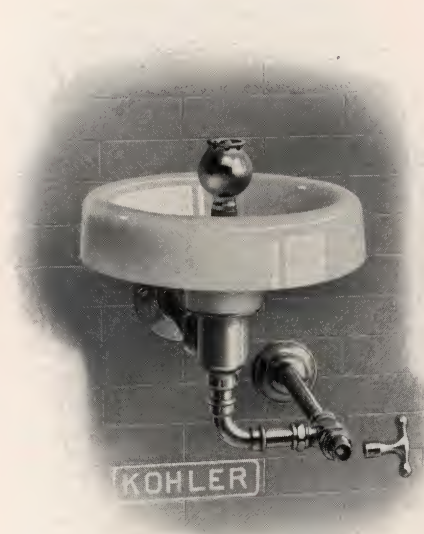


Fig. H-218



Fig. H-219

FIG. H-218

Enameled Iron Drinking Fountain with Integral Waste Strainer, with Nickel-plated Brass Continuous Flow Bubbler with Flow Regulator, Combined Supply and Waste Connection, Reversible Supply Pipe with Loose Key Stop and Waste Pipe to Wall with Supporting Flange.

Diameter of Bowl, 9 inches.

Depth, 2½ inches.

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 19.80 |
| “ “ “ “ Inside only..... | 17.80 |
| “ Bowl only, Enameled All Over..... | 8.50 |
| “ “ “ “ Inside only..... | 6.50 |

FIG. H-219

Enameled Iron Flat Back Drinking Fountain with Nickel-plated Brass Bubbler with Flow Regulator and Push Button Valve with China Index, Open Strainer and 1¼-inch “P” Trap.

Height, 24 inches.

Width, 13¼ inches.

Wall to Front, 10¾ inches.

| | |
|--|-------|
| Price, as described, Enameled All Over..... | 19.10 |
| “ without Bubbler and Trap, Enameled All Over..... | 9.60 |

ENAMELED IRON DRINKING FOUNTAINS



Fig. H-220



Fig. H-221

FIG. H-220

Enameled Iron Drinking Fountain with Concealed Brackets, Nickel-plated Self-Closing Faucet and Bubbler with Push Button Valve with China Index, Double Waste Connection, 1 1/4-inch "P" Trap, Open Strainer and One Combination Glass Holder and Strainer.

| | | |
|---|--------------------|---------------------------|
| Width of Slab, 24 1/2 inches. | Height, 12 inches. | Front to Wall, 16 inches. |
| Price, as described, Enameled All Over | | 32.20 |
| " without Bubbler, Faucet and Trap, Enameled All Over | | 19.30 |

FIG. H-221

Enameled Iron Drinking Fountain with Concealed Brackets, Nickel-plated Bubbler with Flow Regulator and Push Button Valve with China Index, Open Strainer and 1 1/4-inch "P" Trap.

| | | |
|---|--------------------|---------------------------|
| Width of Slab, 18 1/2 inches. | Height, 14 inches. | Front to Wall, 12 inches. |
| Price, as described, Enameled All Over | | 20.80 |
| " without Bubbler and Trap, Enameled All Over | | 11.30 |

ENAMELED IRON DRINKING FOUNTAINS

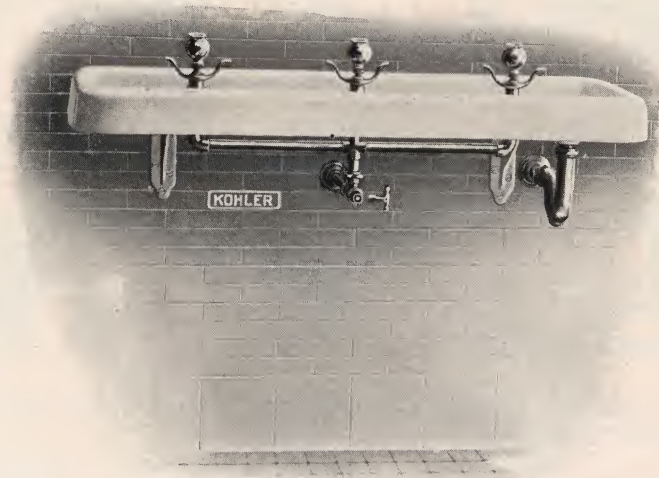


Fig. H-222

Enameled Iron Drinking Fountain on Concealed Brackets fitted with Nickel-plated Self-Closing Bubbling Valves with Flow Regulator and Operating Handles, $\frac{3}{8}$ -inch Continuous Supply Pipe with Loose Key Stop, $1\frac{1}{4}$ -inch "P" Trap, Open Strainer and Tail Piece.

Width of Trough, $13\frac{1}{4}$ inches.

| | | | | |
|---|--------|-------|-------|-------|
| Length | inches | 30 | 42 | 54 |
| Number of Cups | | 2 | 3 | 4 |
| Price, as described, Enameled All Over | | 38.70 | 50.70 | 62.40 |
| " with Strainer only, Enameled All Over | | 12.60 | 16.50 | 19.90 |

BUBBLING CUPS

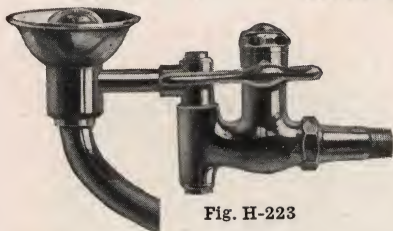


Fig. H-223

Nickel-plated Brass Combination for Water Cooler with Lever Handle Self-Closing Valve with $\frac{3}{8}$ -inch I. P. Male Thread, China Nozzle Overflow Cup and Offset Drain Tubeeach 6.75

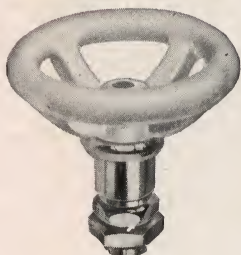


Fig. H-224



Fig. H-225



Fig. H-226

Fig. H-224—Vitreous China Self-Closing Bubbling Head with Concealed Regulating Screw and Female Connection for $\frac{3}{8}$ -inch Iron Pipe....each 5.00

Fig. H-225—Vitreous China Bubbling Head with Nickel-plated Brass Operating Ring and Female Connection for $\frac{3}{8}$ -inch Iron Pipe.....each 3.75

Fig. H-226—Vitreous China Cup with Jet Stream and Six Drain Holes. This cup does not fill and will not squirt. For use on any head....each 1.85



Fig. H-227



Fig. H-228



Fig. H-229

Fig. H-227—A Vitreous China Head. Will not squirt and wastes through the bottom. By its shape the user is compelled to drink from the stream and not bring the lips in contact with the head.....each 1.00

Fig. H-228—A German Silver Cup well adapted to school use. Can also be furnished in brass white enameled.....each 1.00

Fig. H-229—Is of German Silver, sanitary and will not tarnish. It throws seven small streams to one point, making a uniform conical bubble, each 1.85

BUBBLING CUPS FOR LAVATORIES

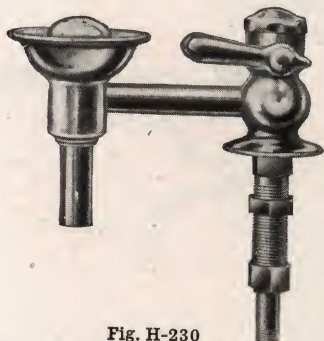


Fig. H-230

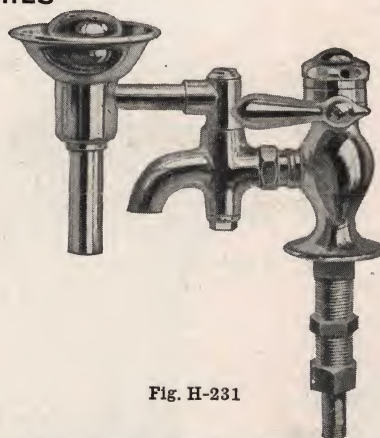


Fig. H-231

Fig. H-230—Nickel-plated Brass Bubbling Cup with Lever Handle Self-Closing Regulating Valve, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 5.00
This is designed to replace the ordinary basin cock and can be attached to a basin cock connection anywhere.

Fig. H-231—Nickel-plated Brass Combination Bubbling Cup and Basin Cock with Lever Handle Self-Closing Valve, Swinging Bubbling Cup with Concealed Regulating Screw, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 6.75
If with Bent Tube and Nozzle only, deduct..... .50

When the supply to the bubbling cup is central with the basin cock spout, the water passes through the bubbling cup only, and when the bubbling cup supply tube is swung to the left at right angles to the spout, the water passes through the spout only.

FOR WALL FOUNTAINS AND SINKS



Fig. H-232

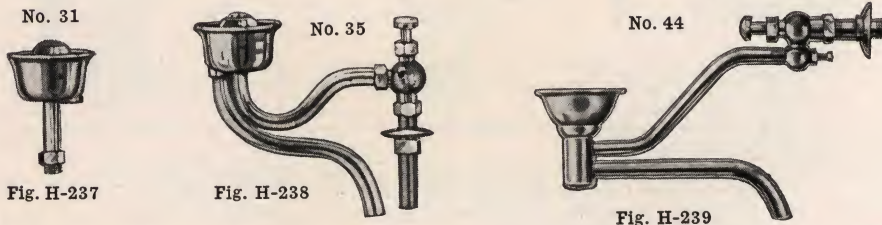
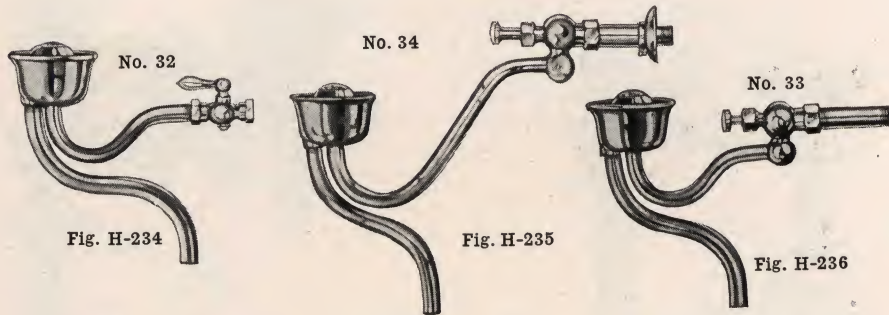


Fig. H-233

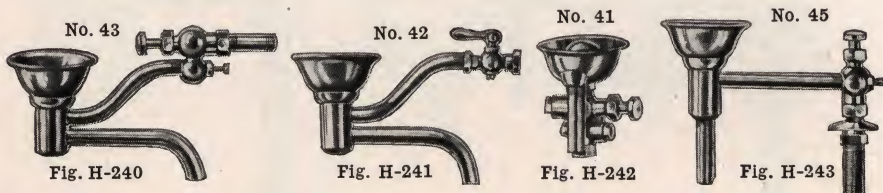
Fig. H-232—Nickel-plated Brass Combination Bubbling Cup and Bibb with Lever Handle Self-Closing Valve, Swinging Bubbling Cup with Concealed Regulating Screw, China Nozzle, Overflow Cup and Drain Tube. Price, each 6.75
If without Overflow Cup and Tube and with Bent Tube and Nozzle only, deduct50

Fig. H-233—Nickel-plated Brass Bubbling Cup, with Lever Handle Self-Closing Regulating Valve with $\frac{1}{2}$ -inch Iron Pipe Female Thread, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 4.50

BUBBLING CUPS



| | | |
|---|------|------|
| Price, No. 32, Common Sink Pattern..... | each | 5.50 |
| " " 34, Drop Pattern..... | " | 7.50 |
| " " 33, Common Sink Pattern..... | " | 6.50 |
| " " 31, Pedestal Pattern..... | " | 3.50 |
| " " 35, Lavatory " | " | 7.50 |
| " " 44, Drop " | " | 7.50 |
| If with Slip-Joint Connection, $\frac{3}{8}$ -inch Iron Pipe Thread, add, each..... | | .50 |



| | | |
|---|------|------|
| Price, No. 43, Common Sink Pattern..... | each | 6.50 |
| " " 42, " " | " | 5.50 |
| " " 41, Pedestal Pattern..... | " | 4.50 |
| " " 45, Lavatory " | " | 7.50 |
| If with Slip-Joint Connection, $\frac{3}{8}$ -inch Iron Pipe Thread, add, each..... | | .50 |

Metal bubbler heads will be sent unless otherwise specified.

Vitreous ware heads or glass cups supplied if desired.

Order by style number, and give approximate water pressure.

WATER CLOSETS

SYPHON JET

"SIWELCLO"

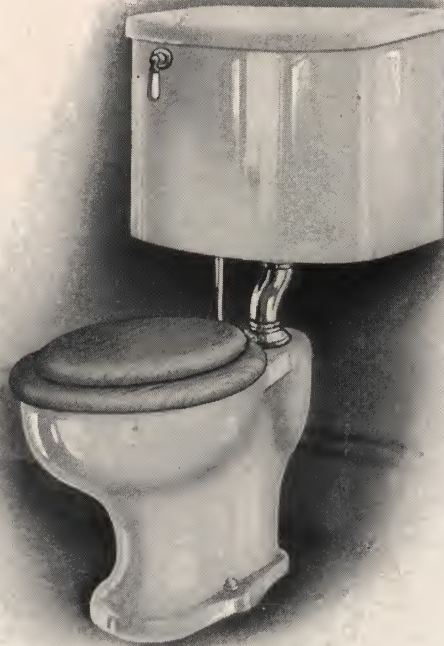


Fig. H-244

Vitreous China "Siwelclo" Noiseless Syphon Jet Bowl, 1½-inch Quartered Oak Saddle Seat and Cover, Extra Heavy Cast Brass Offset Bar Hinges, Vitreous China "Bellemeade" Tank with China Handle Side Trip Lever, Nickel-plated Offset Flush Connection, Nickel-plated Supply Pipe with Wheel Handle Stop Valve, Floor Screws and Washers.

Seat furnished in Natural or Golden Oak or Birch Mahogany, Piano Polish.

| | |
|--|-------|
| Price, as described..... | 42.00 |
| If with "Ivorite" Seat, add..... | 6.00 |
| " " Vitreous China Single Lid Seat, add..... | 6.00 |
| " " China Offset and Escutcheon, add..... | 2.50 |
| " " Brass Floor Flange, Bolts and Gasket, add..... | 1.00 |
| " without Stop Valve on Supply Pipe, deduct..... | 1.00 |

WATER CLOSETS

SYPHON JET

"CADILLAC"



Fig. H-245

Vitreous China Syphon Jet Bowl with Concealed Jet Arm and Raised Front Lip, Open Front Oak Seat with Nickel-plated Cast Brass Bar Hinge and Re-enforcing Plate, Vitreous China Flat Top, Fancy Front Tank with China Handle Side Trip Lever, Elevated Ball Cock, Douglas Flush Valve, Nickel-plated Supply Pipe with Stop, Nickel-plated Flush Connection, Floor Screws and Washers.

| | |
|--------------------------|-------|
| Price, as described..... | 35.00 |
|--------------------------|-------|

| | |
|---|------|
| If without Stop in Supply Pipe, deduct..... | 1.00 |
|---|------|

WATER CLOSETS

SYPHON JET

"BELMONT"



Fig. H-246

Vitreous China Syphon Jet Bowl with Extended Front Lip, Open Oak Seat and Cover with Nickel-plated Front Bar and Nickel-plated Hinges, Vitreous China Round Front Tank with High Pressure Compound Ball Cock, Rubber Ball Flush Valve, China Handle Lever, Nickel-plated Supply Pipe with Stop, Nickel-plated Flush Connection, Floor Screws and Washers.

| | |
|--------------------------|-------|
| Price, as described..... | 51.00 |
|--------------------------|-------|

WATER CLOSETS

SYPHON JET

"PRINCESS"



Fig. H-247

Vitreous China Syphon Jet Water Closet with Extra Heavy Syphon Jet Bowl, with Extended Inlet and Extended Front Lip, Low Down Vitreous China Tank and Upper Side Operating Lever with China Handle, Special Flush Valve, Wolff Pattern Compound Lever Elevated High Pressure Ball Cock, Nickel-plated Straight Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Seamless Brass Supply Pipe and Nickel-plated Escutcheon, Crescent "Bulldog" Full Saddle Polished Birch Mahogany Open Front Seat with Extra Heavy Cast Brass Bar Hinges and Nickel-plated Brass Re-enforcing Ring, "Renton's" Cast Brass Floor Flange with Graphite Gasket, Floor Bolts, Screws, Washers and China Bolt Caps.

Woodwork: Seat can be furnished in Quarter-Sawed, Natural or Golden Oak, Polished Finish.

| | |
|---|-------|
| Price, as described..... | 42.50 |
| If with Stop Valve on Supply Pipe, add..... | 1.00 |
| " " Wall Outlet Waste, add..... | 2.50 |
| " " Snow White Seat, " | 2.50 |

WATER CLOSETS

SYPHON JET

"COLUMBIA"



Fig. H-248

Vitreous China Syphon Jet Bowl with Oak Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Solid Bent Wood Oak Tank with 10-ounce Copper Lining, Elevated High Pressure Ball Cock, Douglas Pattern Flush Valve, China Handle Top Lever, Nickel-plated Offset Flush Connection, $\frac{3}{8}$ -inch Nickel-plated Supply Pipe, Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak, Rubbed Polish.

| | |
|--------------------------|-------|
| Price, as described..... | 30.00 |
|--------------------------|-------|

| | |
|--|------|
| If with Wheel Handle Stop in Supply Pipe, add..... | 1.00 |
|--|------|

| | |
|--|------|
| " " Brass Floor Flange, Gasket and Bolts, add..... | 1.00 |
|--|------|

WATER CLOSETS**REVERSE TRAP SYPHON****"MADRID"****Fig. H-249**

"Madrid" Syphon Action Water Closet with Heavy Syphon Action Reverse Trap Bowl, Full Size Vitreous China Tank with Rounding Corner, and Upper Side Operating Lever with China Handle, Special Flush Valve, Wolff Pattern Compound Lever Elevated Ball Cock, Nickel-plated Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Seamless Brass Supply Pipe and Nickel-plated Escutcheon, "Bulldog" Semi-Saddle Polished Birch Mahogany Seat and Cover with Nickel-plated Heavy Cast Brass Hinges, Nickel-plated Floor Screws and Washers.

Woodwork: Seat can be furnished Natural or Golden Oak, Polished Finish.

| | |
|---|-------|
| Price, as described | 27.50 |
| If with Extended Lip and Open Front Seat, add..... | 2.50 |
| " " Stop Valve in Supply Pipe, add..... | 1.00 |
| " " "Renton's" Cast Brass Floor Flange with Graphite Gasket, add..... | 1.50 |
| " " China Bolt Caps, as shown, add..... | .50 |
| " " Snow White Semi-Saddle Seat and Cover, add..... | 3.00 |

WATER CLOSETS

WASH DOWN WITH JET

"RAPIDS"



Fig. H-250

Special Vitreous China "Rapids" Wash Down Syphon Bowl with Jet, and Extended Sanitary Lip, Special Quartered Oak, Rubbed Polish Seat with Special Bar Hinges, Enameled in and out Iron Tank with China Lever, High Pressure Ball Cock, Douglas Pattern Flush Valve, Nickel-plated Supply Pipe, Nickel-plated Flush Elbow, Floor Screws and Washers.

Seat furnished in Natural or Golden Oak.

| | |
|---------------------------|-------|
| Price, as described | 28.50 |
|---------------------------|-------|

| | |
|--|------|
| If with Wheel Handle Stop in Supply Pipe, add..... | 1.00 |
| " " Brass Floor Flange, Bolts and Gaskets, add | 1.00 |

We claim the following points on this Closet:

Special construction to insure quiet action.

Very strong jet, insuring quick working.

Extended front lip—the most sanitary rim.

Large water area in right place.

Contains the desirable features of very expensive bowls.

WATER CLOSETS**SYPHON WASH DOWN****"GRAND"****Fig. H-251**

Vitreous Syphon Wash Down Water Closet with Heavy Syphon Wash Down Bowl, Full Size Vitreous China Tank with Rounding Corners and Upper Side Operating Lever with China Handle, Special Flush Valve, Wolff Pattern Compound Lever Elevated High Pressure Ball Cock, Nickel-plated Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Seamless Brass Supply Pipe and Nickel-plated Escutcheon, Oak Semi-Saddle Polished Birch Mahogany Seat and Cover with Nickel-plated Heavy Cast Brass Hinges, Nickel-plated Floor Screws and Washers.

Woodwork: Seat can be furnished Natural or Golden Oak, Polished Finish.

| | |
|--|-------|
| Price as described | 25.00 |
| If with Stop Valve in Supply Pipe, add | 1.00 |
| " " "Renton's" Cast Brass Floor Flange with Graphite Gasket, add | 1.50 |
| " " China Bolt Caps, as shown, add | .50 |
| " " Snow White Semi-Saddle Seat and Cover, add | 3.00 |

WATER CLOSETS
SYPHON WASH DOWN WITH JET
"MARQUETTE"



Fig. H-252

Vitreous China Syphon Wash Down Bowl with Jet, Birch Mahogany. Seat and Cover with Nickel-plated Brass Bar Hinges, Vitreous China Straight Front Tank with Side Trip Lever with China Handle, Compound Lever Elevated Ball Cock, Douglas Pattern Flush Valve, Nickel-plated Supply Pipe with Stop, Nickel-plated Elbow Flush Connection, Floor Screws and Washers.

Seat furnished in Natural or Golden Oak or Birch Mahogany, Rubbed Polish.

| | |
|---|-------|
| Price, as described | 30.50 |
| If with White Seat, add. | 6.00 |
| " " Brass Floor Flange and Bolts, add. | 1.00 |
| " without Stop in Supply Pipe, deduct. | 1.00 |

WATER CLOSETS

SYPHON WASH DOWN

"ALMA"



Fig. H-253

Vitreous Syphon Wash Down Water Closet with Heavy Syphon Wash Down Bowl, Low Down Vitreous China Tank and Upper Side Operating Lever with China Handle, Special Flush Valve, Wolff Pattern Compound Lever Elevated High Pressure Ball Cock, Nickel-plated Flush Connections, $\frac{3}{4}$ -inch Iron Pipe Size Seamless Brass Supply Pipe and Nickel-plated Escutcheon, Semi or Full Saddle Polished Birch Mahogany Seat and Turtle Back Cover with Extra Heavy Cast Brass Bar Hinges, "Renton's" Cast Brass Floor Flange with Graphite Gasket, Floor Bolts, Screws, Washers and China Bolt Caps.

Woodwork: Seat can be furnished in Quarter-Sawn Natural or Golden Oak, polished finish.

| | |
|--|-------|
| Price, as described | 30.00 |
| If with Stop Valve in Supply Pipe, add..... | 1.00 |
| " " Snow White Full Saddle Seat with Turtle Back Cover, add... | 3.00 |

WATER CLOSETS

SYPHON WASH DOWN

"NEW QUINCY"



Fig. H-254

Vitreous China Syphon Wash Down Closet Bowl with Oak Seat and Cover, and Nickel-plated Cast Brass Hinges, Square Corner Oak Tank with Bottom Trip Lever, with China Handle, Heavy Copper Lining, High Pressure Compound Lever Ball Cock, Douglas Pattern Flush Valve, Nickel-plated Supply Pipe, Floor Bolts and Washers.

Woodwork furnished in Natural or Golden Oak or Birch Mahogany.

| | |
|---------------------------------------|-------|
| Price, as described..... | 20.00 |
| If with Stop in Supply Pipe, add..... | 1.00 |

WATER CLOSETS

SYPHON WASH DOWN

"KENT"



Fig. H-255

Vitreous China Syphon Wash Down Water Closet, with Syphon Wash Down Bowl, Low Down Tank with Copper Lining and Upper Side Operating Lever with China Handle, Special Flush Valve, Noiseless Pattern Compound Lever Elevated High Pressure Ball Cock, Nickel-plated Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Seamless Brass Supply Pipe and Nickel-plated Escutcheon, Oak Seat and Cover with Nickel-plated Cast Brass Hinges, Nickel-plated Floor Screws and Washers.

Woodwork in Natural or Golden Oak, Varnish Finish.

| | |
|---|-------|
| Price, as described | 20.00 |
| If with Reverse Trap Bowl, add | 1.50 |
| " " Syphon Jet " " | 8.50 |
| " " Stop in Supply Pipe " | 1.00 |
| " " "Renton's" Brass Floor Flange with Graphite Gasket, add | 1.50 |
| " " Lead Lining in Tank | 1.00 |

WATER CLOSETS

**SYPHON WASH DOWN
WITH YOUNG PATENT FLUSH VALVE**



Fig. H-256

Vitreous China Syphon Wash Down Bowl, Round Cornered Seat and Cover with Nickel-plated Bar Hinge, Oak Round Cornered Tank with Heavy Copper Lining, Pearl Top Push Button, Elevated High Pressure Ball Cock, Young Patent Flush Valve, Nickel-plated $\frac{3}{8}$ -inch Iron Pipe Size Supply Pipe, Flush Connection, Floor Screws and Washers.

Woodwork furnished in Golden Oak, unless otherwise specified.

| | |
|--|-------|
| Price, as described..... | 25.00 |
| If with Syphon Jet Bowl, add..... | 10.00 |
| " Woodwork in Quarter-Sawed Oak or Mahogany Finish, add..... | 3.00 |
| Young Patent Flush Valve only..... | 2.50 |

**YOUNG PATENT
FLUSH VALVE**

Fig. H-257

The Young Patent Flush Valve has a $2\frac{1}{2}$ -inch rubber ball free to turn in every direction, hence the wear from resting on the valve seat is uniform over its entire surface.

The valve positively cannot leak or become unseated. Having a $1\frac{1}{8}$ -inch overflow tube and a large opening in valve body insures against overflowing or flooding of tank.

WATER CLOSETS**SYPHON WASH DOWN****ENAMELED IRON****Fig. H-258**

Enameled In and Out Iron Syphon Wash Down Closet Bowl with White Finish Oak Seat and Cover with Nickel-plated Cast Brass Hinges, Enameled In and Out Iron Tank with China Handle Trip Lever, High Pressure Ball Cock, Rubber Ball Flush Valve, Nickel-plated Supply Pipe, Nickel-plated Flush Connection, Floor Screws and Washers.

Seat furnished also in Natural or Golden Oak or Birch Mahogany.

| | |
|---------------------------|-------|
| Price, as described | 38.20 |
|---------------------------|-------|

WATER CLOSETS

SYPHON WASH DOWN

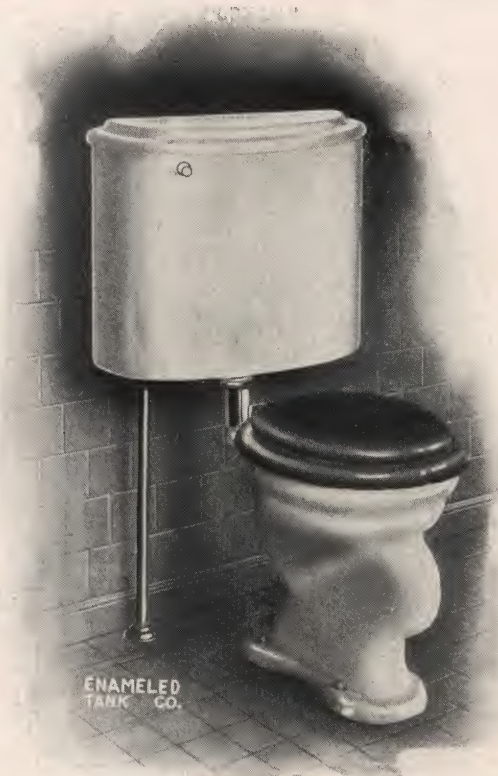


Fig. H-259

Vitreous China Syphon Wash Down Bowl with Oak Seat and Cover with Nickel-plated Cast Brass Hinges, Enameled Iron Oval Front Tank with Flat Cover, High Pressure Compound Lever Ball Cock, Solderless Copper Float, "Hydraulic" Flush Valve, White Porcelain Trip Knob, Nickel-plated Supply Pipe, 2-inch Nickel-plated Elbow or Offset Flush Connection, Floor Bolts and Washers.

Seat furnished in Natural or Antique Oak or Imitation Mahogany.

| | |
|---|-------|
| Price, as described, with Flat Cover on Tank..... | 21.00 |
| " " " " Dome " " " | 22.00 |
| If with Reverse Trap Bowl, add | 1.50 |
| " " Syphon Jet " " | 8.50 |

The valve used in this tank is a "Hydraulic" Flush Valve with a leather diaphragm, which eliminates the troublesome rubber ball. There are no wires to get tangled up or no guides to get out of alignment. It is absolutely fool-proof and perfect in operation.

WATER CLOSETS

SYPHON WASH DOWN, AUTOMATIC SEAT-ACTUATED

"MAXCO"

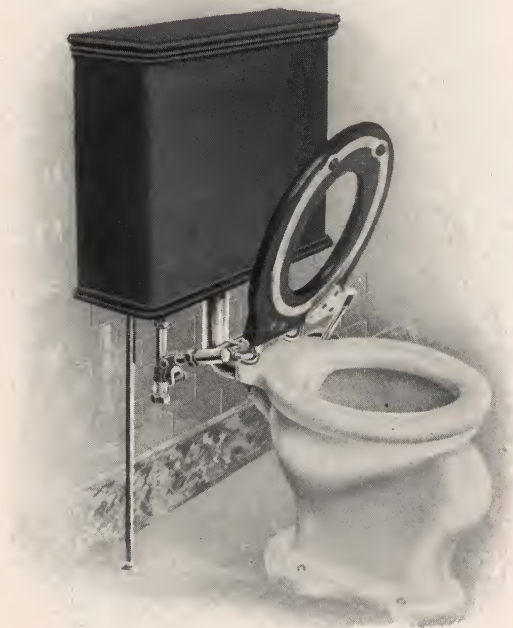


Fig. H-260

Vitreous China Syphon Wash Down Bowl with Oak Self-Raising Seat with Nickel-plated Post Hinges and Self-Controlled Counterweight, Nickel-plated Cast Brass Reinforcing Plate with Rubber Bumpers, Oak Low Down Tank, Nickel-plated Flush Connection, Positive Seat-Actuated Flushing Device, Nickel-plated Supply Pipe, Floor Screws and Washers.

| | |
|---|-------|
| Price, as described | 39.00 |
| If with Tank and Seat Quarter-Sawed Oak, add..... | 1.70 |
| " " Iron Tank Enameled In and Out, " | 8.00 |
| " " " " Inside only, " | 6.00 |
| " " " Galvanized In and Out, " | 6.00 |
| " " Vitreous China Tank, add | 8.00 |
| " " " Syphon Jet Bowl, add | 8.50 |

These combinations may also be furnished with Juvenile Pattern Bowls 13½ inches high.

WATER CLOSETS

SYPHON JET WITH ROYAL FLUSH VALVE



Fig. H-261

Vitreous China Oval Syphon Jet Water Closet with 1½-inch Quartered Oak Seat and Cover, Piano Polish, with Nickel-plated Extra Heavy Cast Brass Bar Hinges, No. 1 Nickel-plated Royal Flush Valve with China Oscillating Handle and Rubber Bumper, Lock Shield Gate Valve, Brass Floor Flange, Bolts and Gasket.

| | |
|--|-------|
| Price, as described | 43.50 |
| If with White Seat, add | 6.00 |
| “ “ all Exposed Metal Parts of Valve made of “Benedict Nickel,” which is a white metal all the way through that never wears brassy, add..... | 4.00 |
| “ with Concealed Valve, add..... | 2.50 |
| “ “ Raised Front Bowl, add..... | 3.00 |
| “ “ Extended Sanitary Lip Bowl, add..... | 6.00 |
| “ “ Raised Rear Vent, add..... | 9.00 |
| “ Seat is without Cover, deduct..... | .50 |
| “ without Gate Valve, deduct..... | 2.50 |
| “ “ Floor Flange Bolts and Gaskets, deduct..... | 1.00 |

Special Woodwork for Seats furnished to order.

Special catalogue showing all types, on application.

WATER CLOSETS

SYPHON JET WITH ROYAL FLUSH VALVE



Fig. H-262

Seat Action Syphon Jet Closet with Vitreous China Syphon Jet Bowl, Sloan's No. 9 Nickel-plated "Royal" Automatic Seat-Operating Flush Valve, Polished Golden Oak Seat with Nickel-plated Brass Adjustable Bar Hinge, Nickel-plated Brass Floor Flange, Bolts and Gasket.

| | |
|--|-------|
| Price, as described..... | 45.50 |
| If with Ball Weights to hold Seat in Vertical Position, add..... | 8.00 |
| " " Extended Sanitary Lip Bowl and Open Front Seat, add..... | 6.00 |
| " " Raised Front Bowl and Open Front Seat, add..... | 4.00 |
| " " " Rear Vent, add..... | 9.00 |
| " " Gate Valve, add..... | 2.50 |
| " without Brass Floor Flange, Bolts and Gasket, deduct..... | 1.00 |

Can also be furnished in Juvenile Height.

Can also be furnished with Open Front and Back Seat.

Our seat-operating closets with "Royal" Flush Valves withstand rough usage and are especially adapted for schools and all other places where it is desirable to provide an automatic equipment. The least touch of the seat flushes the bowl.

Special Woodwork for Seats furnished to order.

Special catalogue showing all types, on application.

WATER CLOSETS

SYPHON WASH DOWN WITH ROYAL FLUSH VALVE



Fig. H-263

Plain Syphon Wash Down Closet with Vitreous China Syphon Wash Down Bowl, "Royal" Nickel-plated Flush Valve with China Oscillating Handle, Golden Oak Rubbed Polish Six-Piece Seat without Cover, Nickel-plated Cast Brass Hinges, Brass Floor Flange, Bolts and Gasket.

| | |
|--------------------------|-------|
| Price, as described..... | 29.50 |
|--------------------------|-------|

| | |
|---|------|
| If with Lid on Seat, add | .50 |
| " " White " " | 6.00 |
| " " Jet in Bowl, " | 1.50 |
| " " Gate Valve, " | 2.50 |
| " without Brass Floor Flange, Bolts and Gasket, deduct..... | 1.00 |

Special Woodwork for Seats furnished to order.

Special catalogue showing all types, on application.

WATER CLOSETS**JETECTOR WALL CLOSET, WITH SLOAN VALVE**

(Patented)

**Fig. H-264**

Vitreous China Jetector Wall Closet with Wall Connections and Supports, Oak Seat without Cover with Nickel-plated Cast Brass Hinges, Sloan's Nickel-plated Bronze Metal Royal Flush Valve with Oscillating China Handle.

Seat, Natural, Antique or Golden Oak or Birch Mahogany.

| | |
|---------------------------|-------|
| Price, as described | 45.00 |
|---------------------------|-------|

Royal Flush Valves cannot be held open to waste water and do not require regulating, as they flush the same amount under any pressure between 5 and 100 pounds.

Valve has 1-inch back inlet and union outlet 3 inches long, $1\frac{1}{2}$ or $1\frac{1}{4}$ inches outside diameter, as ordered. Nickel-plated handle furnished instead of china, if desired. Lock shield gate valve for shut-off, extra.

A fixture admirably adapted for use in public buildings and institutions.

VITREOUS CHINA BIDET

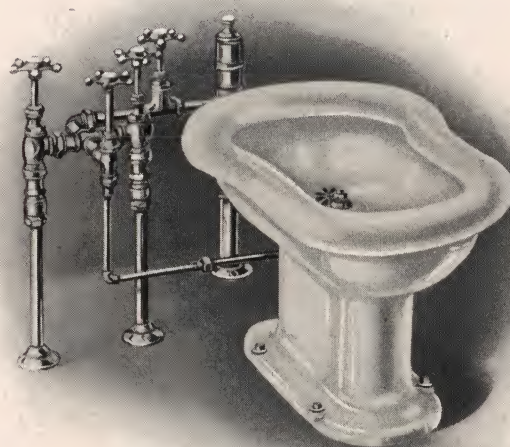


Fig. H-265

Vitreous China Flushing Rim Bidet, fitted with Nickel-plated Brass Standing Waste and Overflow, with China Index on Knob; Nickel-plated Brass Compression Valves for Hot and Cold Water, with China Indexed Handles, Spray and Bidet with Unions and Supply Pipes to floor; with separate controlling valve for Flushing Rim Supply and separate valve to control Bidet Jet.

| | |
|---------------------------|-------|
| Price, as described | 52.20 |
|---------------------------|-------|

No well appointed private bath room is complete without a bidet. The bowl is in one-piece vitreous ware and has supply to bidet and flushing rim. In connection with the use of a bidet, it is frequently desirable to retain water therein and this fixture is fitted so that water entering through the flushing rim may be retained by the standing waste. When using the douche or spray only, the waste is raised so the water can run off at once. The integral seat is an important feature, doing away with all unsanitary woodwork. Supply and waste fitting with Fuller Valves may be furnished if desired.

WATER CLOSETS

SYPHON WASH DOWN

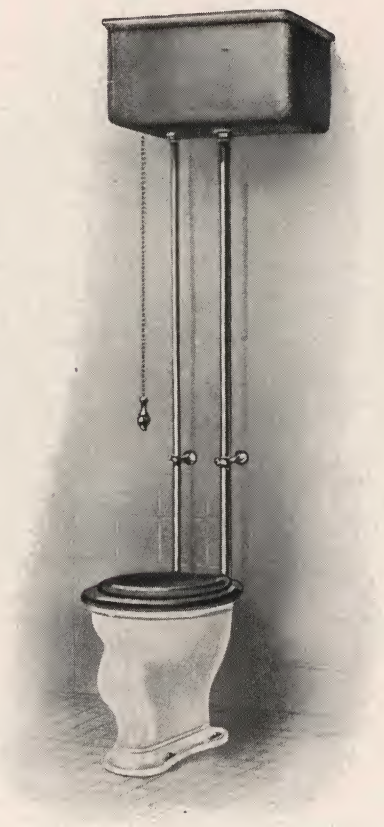


Fig. H-266

Plain Vitreous Syphon Wash Down Bowl, 1¼-inch Oak Seat and Cover with Nickel-plated Post Hinges, Oak Round Cornered Tank with Copper Lining, High Pressure Ball Cock, Gooseneck Flush Valve, Chain and Pull, Nickel-plated Flush and Supply Pipes with Holders, Flush Connection, Floor Screws and Washers.

Woodwork furnished in Natural, Antique or Golden Oak.

| | |
|---------------------------|-------|
| Price, as described | 23.00 |
|---------------------------|-------|

| | |
|--------------------------------------|------|
| If with Top Supply Tank, deduct..... | 2.50 |
|--------------------------------------|------|

WATER CLOSETS

SYPHON WASH DOWN

ENAMELED IRON

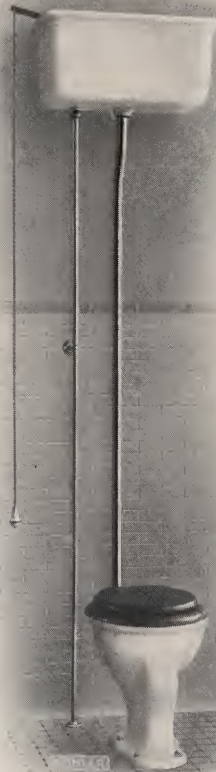


Fig. H-267

Enameled Iron Syphon Wash Down Bowl with Oak Seat and Cover with Nickel-plated Cast Brass Hinges, Enameled In and Out High Tank with High Pressure Ball Cock, Gooseneck Flush Valve, Nickel-plated Flush and Supply Pipes and Holders, Chain and Pull, Nickel-plated Floor Screws and Washers.

Seat furnished in Natural or Golden Oak or Birch Mahogany.

| | |
|---|-------|
| Price, as described, with 18x10x9-inch Tank | 35.50 |
| " " " " 20x10x10 " " | 38.00 |

AUTOMATIC WATER CLOSETS

(Patented)

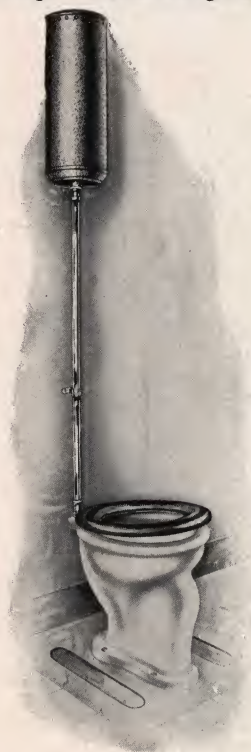
WASH DOWN, REGULAR HEIGHT
Galvanized Hinge and Reinforcing Plate**WASH DOWN, JUVENILE HEIGHT**
Galvanized Hinge and Reinforcing Plate

Fig. H-268

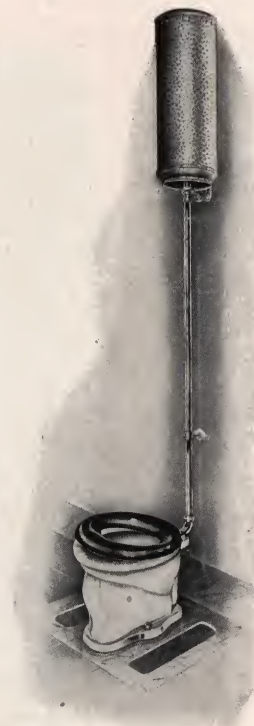


Fig. H-269

WASH DOWN, REGULAR HEIGHT

Vitreous China Syphon Wash Down Bowl, Oak Saddle Seat with Galvanized Reinforcing Plate and Hinge, Automatic Seat Operating Valve, Galvanized Iron Pressure Tank with Cast Iron Bracket Shelf, Nickel-plated Brass Flush Pipe with Holder and Rubber Bumper, Nickel-plated Floor Screws and Washers.

| | |
|--|-------|
| Price, as described..... | 31.00 |
| If with Nickel-plated Brass Box Hinge and Reinforcing Plate, add | 7.00 |
| “ “ Cast Brass Floor Flange and Rubber Gasket, add..... | 1.25 |

WASH DOWN, JUVENILE HEIGHT

Vitreous China Syphon Wash Down Juvenile Bowl 13 inches high, Oak Saddle Seat with Galvanized Reinforcing Plate and Hinge, Automatic Seat Operating Valve, Galvanized Iron Pressure Tank with Cast Iron Bracket Shelf, Nickel-plated Brass Flush Pipe with Holder and Rubber Bumper, Nickel-plated Floor Screws and Washers.

| | |
|---|-------|
| Price, as described..... | 28.00 |
| If with Nickel-plated Brass Box Hinge and Reinforcing Plate, add..... | 6.50 |
| “ “ Cast Brass Floor Flange and Rubber Gasket, add..... | 1.25 |

VITREOUS CHINA CLOSET BOWLS

SYPHON JET

PLAIN

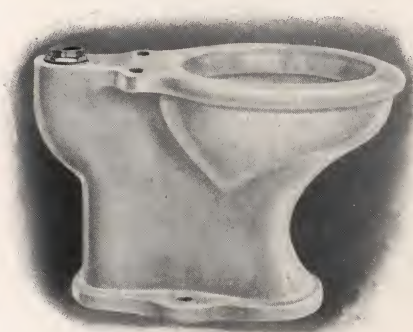


Fig. H-270

WITH RAISED FRONT LIP



Fig. H-271

| | |
|---|-------|
| Plain, Syphon Jet Bowl, Regular Staple Size | 17.00 |
| " " " " Large Size..... | 22.00 |
| With Raised Front Lip, Regular Staple Size..... | 18.50 |
| " " " " Special Size | 23.50 |
| " " " " Juvenile Height..... | 18.50 |

WITH EXTENDED BACK



Fig. H-272

WITH INTEGRAL SEAT



Fig. H-273

| | |
|---|-------|
| With Extended Back | 18.00 |
| The Extended Back permits of Flush Connection through Wall. | |
| With Integral Seat..... | 19.00 |

This Bowl is made with an Integral China Seat and is particularly adapted for use in Public Places.

Seat Attachments and Spuds Extra.

VITREOUS CHINA CLOSET BOWLS

SYPHON JET

WITH EXTENDED SANITARY LIP



Fig. H-274

PLAIN JUVENILE SYPHON JET



Fig. H-275

| | |
|--|-------|
| With Extended Sanitary Lip, Regular Staple Size..... | 20.00 |
| “ “ “ “ Special Size | 25.00 |
| Regular Juvenile Height, 13½ inches..... | 17.00 |
| Special Kindergarten Height, 10 inches..... | 17.00 |

U. S. GOVERNMENT CLOSET BOWLS

EXTRA HEAVY, WITH WALL OUTLET, TYPE 54B



Fig. H-276

EXTRA HEAVY, TYPE B1



Fig. H-277

| | |
|--|-------|
| Type 54B | 26.55 |
| “ 54BS, with Integral China Seat | 29.55 |
| “ 54, “ Floor Outlet | 24.00 |
| “ 54S, “ “ and Integral China Seat | 27.00 |
| “ B1 | 20.25 |
| “ B3 | 42.40 |

Seat Attachments and Spuds Extra.

VITREOUS CHINA CLOSET BOWLS

REVERSE TRAP SYPHON



Fig. H-278

SYPHON WASH DOWN

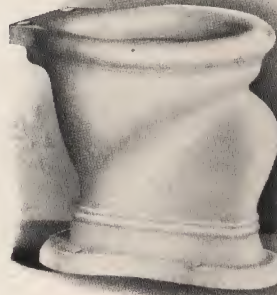


Fig. H-279

| | |
|---|-------|
| Vitreous China Reverse Trap Syphon Bowl..... | 10.00 |
| " " Syphon Wash Down Bowl for High or Low Tank..... | 8.50 |
| " " " " " " with Jet Pipe | 10.00 |

Seat Attachments and Spuds extra.

SYPHON WASH DOWN
WITH EXTENDED BACK OUTLET



Fig. H-280

FRONT OUTLET WASHOUT



Fig. H-281

| | |
|---|-------|
| Vitreous China Syphon Wash Down Bowl with Extended Back Outlet..... | 10.00 |
| " " No. 3 Plain Oval Front Outlet Washout..... | 8.50 |

Seat Attachments and Spuds extra.

ENAMELED IRON CLOSET BOWLS



Fig. H-282

Enameled Iron Syphon Wash Down Bowl with Integral Flushing Rim and 2-inch Brass Flush Spud.

| | |
|---|-------|
| Price, as described, Enameled Inside..... | 12.50 |
| If Enameled In and Out, add..... | 1.50 |
| “ with Trap Vent, add..... | .80 |



Fig. H-283

Enameled Iron Syphon Wash Down Bowl with Integral Flushing Rim and 2-inch Brass Flush Spud.

| | |
|---|-------|
| Price, as described, Enameled Inside..... | 14.00 |
| If Enameled In and Out, add..... | 2.00 |
| “ with Trap Vent, add..... | .80 |

If these bowls are wanted with $1\frac{1}{4}$ or $1\frac{1}{2}$ -inch spud for high tanks, specify when ordering.

VOGEL FROST-PROOF WATER CLOSETS



Fig. H-284

Fig. H-285

These closets are simple, strong and durable and require no pit. Are quickly and economically installed, as the valve may be covered with earth as soon as connection with the water supply is made. Valve parts can be easily removed from above the floor. Bowls have special design one half roll enameled rims.

COMBINATION No. 1.—Depressing the seat raises the rod, allowing the tank to fill, after which no more water enters until the closet is again used. Releasing the seat allows a strong flush direct from tank to hopper, after which the water in valve casing passes down through waste valve (below frost line) into the sewer, leaving the entire fixture empty. By means of the pressure tank an ample flush is secured without unnecessary waste of water.

| | |
|---|-------|
| Price, Enameled Inside, Tall Oval Enameled Roll Flush Rim Hopper with Re-enforced Hardwood Seat, 8 x 24-in. Galvanized Pressure Tank, Supply and Flush Valves Assembled with 3-ft. 3-in. Valve Rod and Casing, each | 17.00 |
| If Hopper Enameled Inside and Outside, add..... | 2.50 |
| " with Self-Raising Seat, add..... | .75 |

COMBINATION No. 2.—This contains but one washer and flushes while in use, after which no water remains in the fixture or casing.

| | |
|--|-------|
| Price, Enameled Inside Hopper with Brass Fan Wash, Enameled Roll Flush Rim, Hardwood Seat, Valve Assembled with 3-ft. 3-in. Valve Rod and Casing, each | 10.00 |
| If Hopper Enameled Inside and Outside, add..... | 2.50 |
| " with Self-Raising Seat, add | .75 |

Combinations with hoppers having 4-inch outlets for caulking into bell end of soil pipe, furnished at same price. Flanged hoppers will be furnished unless otherwise ordered.

WATER CLOSET STALLS



Fig. H-286

Marble or Slate Closet Stalls; Partitions and Ends, 5 feet high, 4 feet deep, $\frac{7}{8}$ -inch thick; Front Pilasters, $1\frac{1}{4}$ inches thick; Nickel-plated Brass Legs, Partition Sockets, Top Rail all around with Standards and Wall Flanges, Clamps and Bolts, Oak Paneled Doors with Nickel-plated Brass Single-Acting Spring Hinges, Indicator Bolts and Strikes.

Height from floor to Top of Rail, 7 feet; Legs and Standards, 12 inches high; Partitions, 3 feet center to center; Doors, $24\frac{3}{4}$ inches wide.

| | |
|--|--------|
| Price, as described, Italian Marble, 4 Compartments..... | 374.00 |
| " " " Tennessee " 4 " | 329.00 |
| " " " Slate, 4 Compartments..... | 252.00 |
| Add for each additional Stall, Italian Marble..... | 82.00 |
| " " " " " Tennessee " | 72.00 |
| " " " " " Slate..... | 57.00 |

Below are shown various styles of doors which may be furnished with stalls.

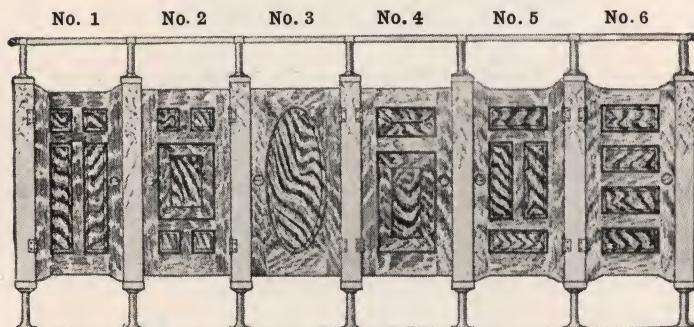


Fig. H-287

Doors usually furnished in Plain Oak, Varnish finish or Quartered Oak, Piano Polish. Doors of other woods and designs made to order. In ordering, give measurement between pilasters and state, whether to open inward or outward, or double-acting, as shown in diagram.

Stalls of the above dimensions are the usual size, but other sizes may be readily furnished.

In ordering, give all dimensions as enumerated above, and it is desirable to always send sketch showing arrangement.

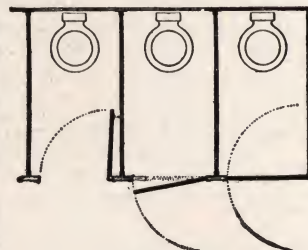


Fig. H-288

ENAMELED IRON HOPPERS

FLUSHING RIM

SHORT OVAL FLAT RIM



Fig. H-295

SHORT OVAL ROLL RIM



Fig. H-296

| | |
|---|------|
| Price, Oval or Round, Flat Rim, with Brass Coupling, Enameled Inside.....each | 5.00 |
| " " " " " " " " " " " and Outside " | 6.50 |
| " " " " Roll " " " " " " " " and Outside " | 6.00 |
| " " " " " " " " " " " and Outside " | 7.50 |

| | |
|---|------|
| If Wood Rim Seat on Flat Rim Hopper, add to list..... | 1.50 |
| " with Swing Seat and Weight, add to list..... | 4.00 |

SHORT ROUND, FLAT RIM
WITH SWING SEAT, VALVE AND TRAPSHORT OVAL, FLAT RIM
WITH SWING SEAT AND VALVE

Fig. H-297



Fig. H-298

| | |
|--|-------|
| Price, Short Oval or Round with Flat Rim, Swing Seat and Weight and Single or Double-Acting Brass Valve, Enameled Inside.....each | 11.00 |
| " Short Oval with Flat Rim, Swing Seat and Weight and Single or Double-Acting Brass Valve, Enameled Inside and Outside..... " | 12.50 |
| " Short Round or Oval Hopper and Trap, Flat Rim, Swing Seat and Weight and Single or Double-Acting Valve, Enameled Inside..... " | 13.50 |
| " Short Round or Oval Hopper and Trap, Flat Rim, Swing Seat and Weight and Single or Double-Acting Valve, Enameled Inside and Outside..... " | 16.00 |
| If with Roll Rim, add..... | 1.00 |
| " without Trap, deduct, Enameled Inside, 2.50; Enameled In and Out | 3.50 |
| Hoppers with Right or Left-Hand Vent, add..... | .60 |

CLOSET SEATS**WHITE PYRALIN**

Pyralin is a preparation of celluloid and is applied in sheet form (not sprayed). It is guaranteed not to split, chip, crack or flake, or turn yellow. Only soap and water needed to keep clean. It is impervious to natural heat or cold, and urine will not affect it in any way.

No. 1**Fig. H-299**

| | | |
|---|--|------|
| Oval Seat and Cover, Pyralin Covered, Nickel-plated Brass Hinges and Rubber Bumpers. Price..... | | 9.00 |
| If without Cover, deduct..... | | 1.50 |

No. 30**Fig. H-300**

| | | |
|---|--|-------|
| Saddle Seat and Cover, Pyralin Covered, Nickel-plated Brass Hinges and Rubber Bumpers. Price..... | | 10.00 |
| If without Cover, deduct..... | | 1.50 |

CLOSET SEATS



Fig. H-301



Fig. H-302

Fig. H-301— $1\frac{1}{4}$ -inch Plain Seat and Cover with "Bulldog" Joints and Nickel-plated Cast Brass Hinges..... Net

Fig. H-302— $1\frac{1}{4}$ -inch Oak Semi-Saddle Seat and Cover with "Bulldog" Joints and Nickel-plated Cast Brass Hinges..... Net



Fig. H-303



Fig. H-304

Fig. H-303— $1\frac{1}{4}$ -inch Oak Full Saddle Seat and Cover with "Bulldog" Joints and Nickel-plated Cast Brass Hinges..... Net

Fig. H-304— $1\frac{1}{4}$ -inch Oak Semi-Saddle Square Back Seat and Cover with Nickel-plated Cast Brass Bar Hinges..... Net

CLOSET SEATS

"SNOWWHITE"



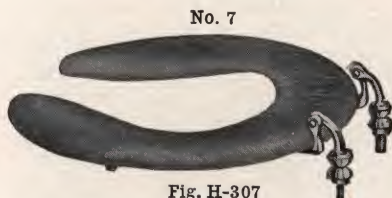
Fig. H-305



No. 9

Fig. H-306

| | |
|---|-------|
| "Snowwhite"—Open Front Seat and Cover with Nickel-plated Cast Brass Hinges to fit Ordinary Closet Bowl..... | 10.00 |
| If without Cover, deduct..... | 1.00 |
| No. 9—600x11, 1 1/4-inch "Bulldog" Seat and Cover with Back Strip Natural or Golden Oak, Varnish Finish, with Nickel-plated Brass Hinges..... | 3.50 |



No. 7

Fig. H-307



No. 8

Fig. H-308

| | |
|--|-------|
| No. 7—900Nx50, 1 1/4-inch "Bulldog" Semi-Saddle Open Front Seat, Natural or Golden Oak Polished Finish, with Nickel-plated Heavy Cast Brass Hinges | 5.50 |
| Add for Birch Mahogany..... | .50 |
| " " Nickel-plated Brass Re-enforcing Plates | 2.00 |
| " " Cover..... | 1.00 |
| No. 8—30Nx3, 1 1/2-inch "Bulldog" U. S. Government Seat, Natural or Golden Oak, Polished Finish, with Nickel-plated Extra Heavy Box Hinge and Re-enforcing Ring..... | 12.00 |
| Add for Birch Mahogany..... | .50 |



Fig. H-309

No. 5

| | |
|--|------|
| 1 1/4-inch Oak Seat without Cover for Seat Back, with Nickel-plated Hinges | 3.00 |
| If with Cover, add | .50 |

CLOSET SEAT HINGES

CAST BRASS, NICKEL-PLATED

POST HINGES

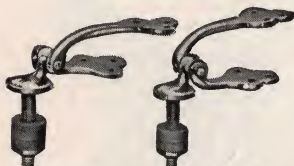


Fig. H-310

OFFSET HINGES

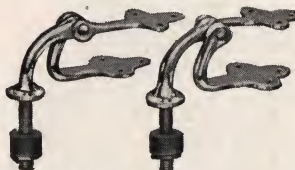


Fig. H-311

| | |
|--------------------------|----------------|
| Price, Post Hinges | per pair |
| " Offset " ..... | ..... |

POST BAR HINGE

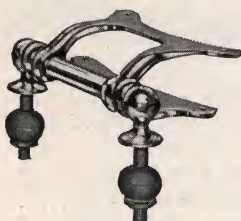


Fig. H-312

OFFSET BAR HINGE

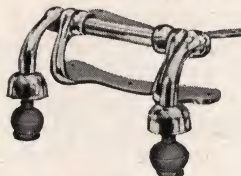


Fig. H-313

| | |
|------------------------------|----------------|
| Price, Post Bar Hinges | per pair |
| " Offset " ..... | ..... |

No 20 HINGES

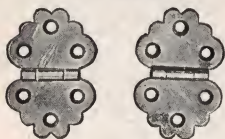


Fig. H-314

No. 10 HINGES



Fig. H-315

| | |
|----------------------------|-----------------------|
| Price, No. 20 Hinges | per dozen pairs |
| " " 10 " | " " |

CLOSET SEAT BOLT, NICKEL-PLATED HEAD



Fig. H-316

| | | |
|--|-----------|------|
| Price, Steel, Complete, as Shown | per dozen | 5.00 |
| " Brass, " " " | " | 7.50 |

CLOSET TANKS

VITREOUS CHINA



Fig. H-317

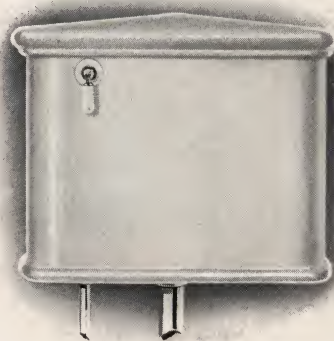


Fig. H-318

Figs. H-317 or H-318—Vitreous China Straight Front Tank with Rubber Ball Flush Valve, Elevated Compound Lever Ball Cock, China Handle Side Trip Lever and N. P. Flush Connection and Supply Pipe.

| | | |
|------------------------------------|----------------|---------------|
| Price, as described | No. 1, 7½-gal. | No. 2, 5-gal. |
| " Tank only, without Fittings..... | 18.00 | 16.00 |
| | 11.00 | 10.50 |



Fig. H-319



Fig. H-320

Fig. H-319—Vitreous China Fancy Front Tank with Rubber Ball Flush Valve, Elevated Compound Lever Ball Cock, China Handle Side Trip Lever, N. P. Flush Connection and Supply Pipe.

| | |
|-------------------------------------|-------|
| Price, as described, 7½-gal. | 18.00 |
| " Tank only, without Fittings | 11.00 |

Fig. H-320—Vitreous China "Waveline" Tank with Rubber Ball Flush Valve, Elevated Compound Lever Ball Cock, China Handle Side Trip Lever, N. P. Flush Connection and Supply Pipe.

| | |
|---|-------|
| Price, as described, 7½-gal. | 23.00 |
| " Tank only, without Fittings..... | 13.50 |
| Add for Stop in Supply Pipe on Above Tanks..... | 1.00 |

CLOSET TANKS

No. 30



Fig. H-321

No. 11



Fig. H-322

- No. 30—Solid Bent Wood Oak Tank with Upper Side Lever with China Handle, Copper Lining, Special Flush Valve, Wolff Pattern Compound Lever Elevated H. P. Ball Cock, $\frac{3}{8}$ -in. I. P. Size N. P. Seamless Brass Supply Pipe, N. P. Escutcheon and Flush Connection. Price..... 14.00
Furnished in Natural or Golden Oak or Birch Mahogany, Polished Finish.
- No. 11—Plain Oak Tank with Upper Side Lever with China Handle, Copper Lining, Special Flush Valve, Wolff Pattern Compound Lever Elevated H. P. Ball Cock, $\frac{3}{8}$ -in. I. P. Size N. P. Seamless Brass Supply Pipe, N. P. Escutcheon and Flush Connection. Price..... 12.00
Furnished in Natural or Golden Oak, Varnish Finish.
Add for Lead Lining, 1.00. Add for Stop in Supply Pipe, 1.00

ENAMELED STEEL

Nos. 265 AND 266



Fig. H-323

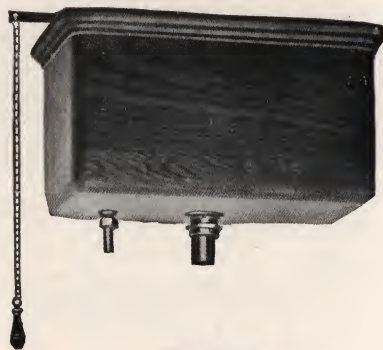


Fig. H-324

- Enameled Steel—Enameled In and Out One-Piece Steel, with Inner Compartment, China Lever Handle, Rubber Ball Flush Valve, H. P. Ball Cock, I. P. Size N. P. Supply Pipe, N. P. Escutcheon and Flush Connection. Price..... 14.00
- Enameled Steel with Sweat-Proof Lining without Inner Compartment. Price..... 12.00
- No. 265—6-gal. Round Corner Oak Tank with Copper Lining, $1\frac{1}{4}$ -in. Galv. Gooseneck with Rubber Washer, Wolff Pattern Compound Lever H. P. Ball Cock, N. P. Coupling and Tail Piece, Chain and Pull. Price..... 10.00
- No. 266—8-gal., same as No. 265. Price..... 12.00
Furnished in Natural or Golden Oak, Varnish Finish.
Add for Polished Finish, .50. Add for Lead Lining, 1.00.

ENAMELED IRON CLOSET TANKS

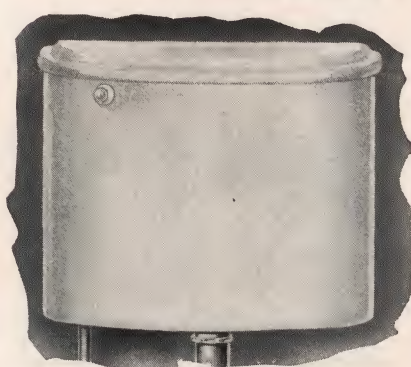


Fig. H-325

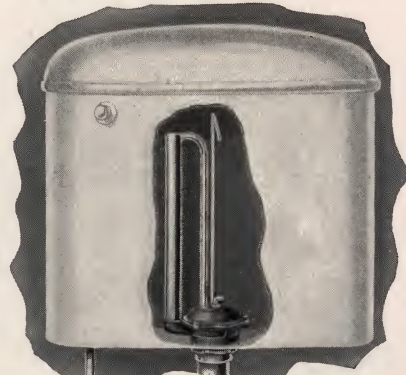


Fig. H-326

Fig. H-325—Enameled Iron Oval Front Tank with Trip Lever with Porcelain Knob, "Hydraulic" Flush Valve, High Pressure Compound Lever Submerged Ball Cock, Solderless Copper Float, Nickel-plated Supply Pipe and Flush Connection. Width, 20½ inches; Height, 16 inches; Depth, 7½ inches.

| | |
|--|-------|
| Price, as described, Enameled Inside and Outside | 12.00 |
| " without Fittings, Enameled Inside and Outside | 10.00 |

Fig. H-326—Same Specifications as above, except that Tank has a Dome Cover.

| | |
|--|-------|
| Price, as described, Enameled Inside and Outside | 13.00 |
| " without Fittings, Enameled Inside and Outside | 11.00 |



Fig. H-327

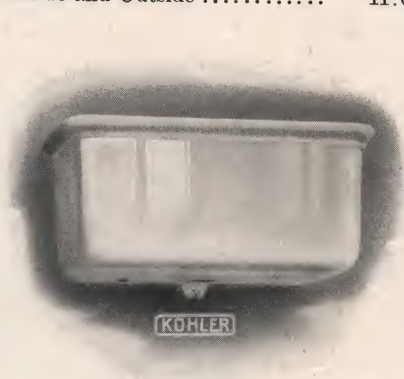


Fig. H-328

Fig. H-327—Enameled Iron Square Front Tank, Double Action Lever with China Handle, Brass Fittings, Nickel-plated Supply Pipe and Elbow Flush Connection. Width, 20⅝ inches; Height Over All, 16⅝ inches.

| | |
|--|-------|
| Price, as described, Enameled All Over | 15.80 |
| " without Fittings, Enameled All Over | 10.00 |

Fig. H-328—Enameled Iron High Tank with Brass Fittings Chain and Pull.

| | | |
|--|---------|----------|
| Sizes | 18x10x9 | 20x10x10 |
| Price, as described, Enameled All Over | 10.30 | 12.80 |
| " " " Inside | 9.10 | 11.10 |
| " without Fittings, Enameled All Over | 5.80 | 8.00 |
| " " " Inside | 4.60 | 6.30 |

AUTOMATIC URINAL TANKS

VITREOUS CHINA

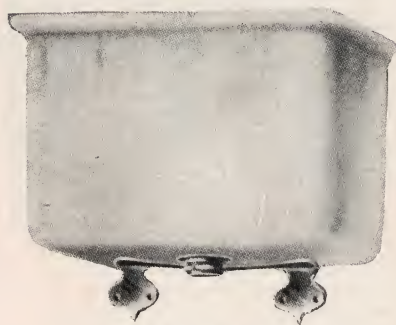


Fig. H-329

OAK



Fig. H-330

VITREOUS CHINA

| Price, 1-gallon, with Fittings and Nickel-plated Brackets | each | |
|---|------|-------|
| " 2 " " " " " " " " " " " " | " | 14.00 |
| " 3 " " " " " " " " " " " " | " | 14.00 |
| " 4 " " " " " " " " " " " " | " | 17.00 |
| " 5 " " " " " " " " " " " " | " | 19.50 |
| " 6 " " " " " " " " " " " " | " | 20.00 |
| " 6 " " " " " " " " " " " " | " | 20.00 |

OAK

| Price, 1-gallon, with Fittings and Nickel-plated Brackets | each | |
|---|------|-------|
| " 2 " " " " " " " " " " " " | " | 9.75 |
| " 3 " " " " " " " " " " " " | " | 10.00 |
| " 4 " " " " " " " " " " " " | " | 11.25 |
| " 5 " " " " " " " " " " " " | " | 14.40 |
| " 8 " " " " " " " " " " " " | " | 15.00 |
| " 8 " " " " " " " " " " " " | " | 18.75 |
| " 10 " " " " " " " " " " " " | " | 22.00 |

ENAMELED IRON

| Price, 1-gallon, Enam. In and Out, with Fittings and Nickel-plated Brackets, each | | |
|---|---|-------|
| " 2 " " " " " " " " " " " " | " | 8.00 |
| " 3 " " " " " " " " " " " " | " | 8.00 |
| " 4 " " " " " " " " " " " " | " | 8.25 |
| " 5 " " " " " " " " " " " " | " | 10.00 |
| " 6 " " " " " " " " " " " " | " | 10.25 |
| " 6 " " " " " " " " " " " " | " | 11.00 |
| " 8 " " " " " " " " " " " " | " | 11.00 |
| " 8 " " " " " " " " " " " " | " | 14.75 |
| " 10 " " " " " " " " " " " " | " | 15.25 |

If Enameled Iron Tanks are finished with Non-condensing Paint outside, add, each, 1.50.

FROST BALL COCKS

FOR LOW TANKS

No. 591



Fig. H-331

No. 733



Fig. H-332

No. 506A

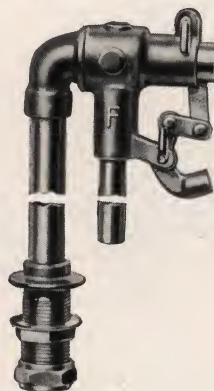


Fig. H-333

No. 646

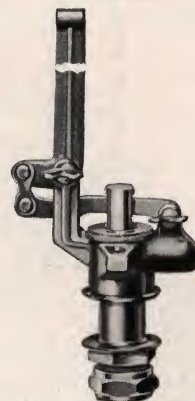


Fig. H-334

| | | |
|---|------|------|
| Price, No. 591 | each | 1.10 |
| " " 733 | " | 1.28 |
| " " 506A | " | 1.50 |
| " " 506, with Cast Float Rod, Regular | " | 1.60 |
| " " 646 | " | .85 |

No. 644 FOR HIGH TANKS

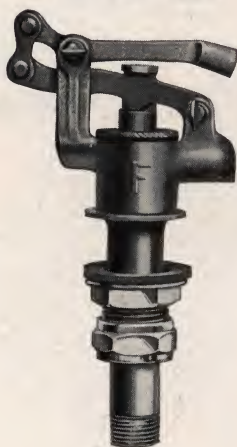


Fig. H-335

No. 645 FOR HIGH TANKS

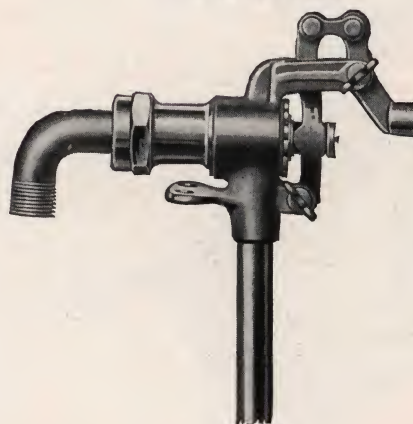


Fig. H-336

| | | |
|----------------------|------|-----|
| Price, No. 644 | each | .80 |
| " " 645 | " | .95 |

CLOSET ACCESSORIES

TANK PULL GUIDE WITH PULL



Fig. H-343

OAK TANK PULL



Fig. H-344

WEIGHTED LEVER HANDLE PULL

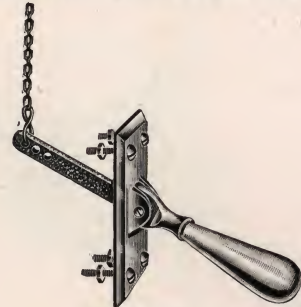


Fig. H-345

| | |
|--|------|
| Price, Nickel-plated Tank Pull Guides with Oak Pull.....each | 1.60 |
| " " " " " China Pull and Rubber Ring... " | 2.60 |
| " Natural or Golden Oak Pulls with Rubber Ring..... " | .20 |
| " Ebonized Pulls without Rubber Ring, Competition..... " | .10 |
| " Vitreous China Pulls with Rubber Ring..... " | 1.20 |
| " Nickel-plated Brass Weighted Lever Handle Closet Pulls with Plate and Bolts for Operating Tank behind Wall or Partition..... " | 3.60 |

CORRUGATED



Fig. H-346

ROUND

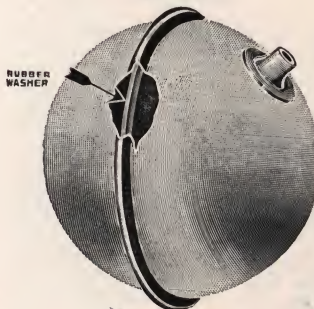


Fig. H-348

COPPER FLOATS

| | | | | |
|-------------------------------|------|------|------|------|
| Size.....inches | 4 | 4½ | 5 | 6 |
| Price, Corrugated...per dozen | 2.16 | 2.60 | 3.00 | 4.20 |
| " Spun.... " | 2.16 | .... | 2.60 | 3.60 |

SPUN



Fig. H-347

SOLDERLESS COPPER AND GLASS FLOATS

| | |
|--|------|
| Price, 5-in. Round Solderless Copper Floats...each | .50 |
| " 4x5-in. Oval Solderless Copper Floats. " | .50 |
| " 5-in. Glass Floats " " | 1.00 |
| " Stems for " " " " | .30 |

OVAL

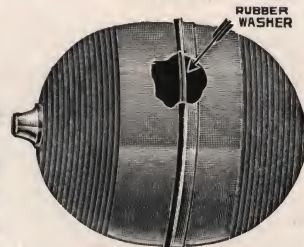


Fig. H-349

BRASS FLOAT RODS

| | | | | | | | |
|---------------------|----------|----------|----------|----------|-----------|------|------|
| Length.....inches | 5½ and 6 | 6½ and 7 | 7½ and 8 | 8½ and 9 | 9½ and 10 | 11, | 12 |
| Price.....per dozen | .50 | .60 | .70 | .80 | .90 | 1.00 | 1.10 |

CLOSET ACCESSORIES

WHITE BONE CHINA

Unightly green corrosion, which always sooner or later appears on nickel-plated brass closet fittings, is obviated by the use of pure white bone china fittings. Closet connections are furnished completely spudded at both ends, ready to attach.

OFFSET AND ESCUTCHEON



Fig. H-350

ELBOW

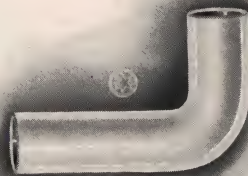


Fig. H-351

| | | |
|--|------|------|
| Offsets and Escutcheons with Nickel-plated Nuts and Spuds..... | each | 2.50 |
| Elbows, only with Nickel-plated Nuts and Spuds..... | " | 2.50 |

1½-inch offset is regular but can be furnished 1 or 2-inch. Straight connection furnished at same price.

ESCUTCHEON



Fig. H-352

BOLT CAP



Fig. H-353

ESCUTCHEONS

| | | | | | | | |
|-----------------------|--------|--------|--------|--------|---------|---------|--------|
| Outside Diameter..... | inches | 2⅝ | 2⅝ | 2⅝ | 3⅝ | 3⅝ | 3⅝ |
| Height..... | " | 1¾ | 1¾ | 1¾ | 1½ | 1½ | 1½ |
| Size of Hole..... | " | ⅜ I.P. | ½ I.P. | ¾ I.P. | 1¼ O.D. | 1½ O.D. | 2 O.D. |
| Price..... | each | .40 | .40 | .40 | .60 | .60 | .60 |

BOLT CAPS

| | | |
|--|------|-----|
| 1⅜-inch Outside Diameter, 1-inch High..... | each | .15 |
|--|------|-----|

NAME PLATES, ETC.

| | | |
|--|------------|-----|
| Name Plates, 4½x2½ inches..... | each | .50 |
| Lettering, Extra..... | per letter | .14 |
| Instruction Plate, "Please Pull," 1½x2 inches..... | each | .45 |
| " " "Push," 2½x4 inches..... | " | .75 |

We can furnish China Escutcheons, Bolt Caps, Name Plates and Instruction Plates of different sizes, prices on application.

WATER CLOSET FLUSH AND SUPPLY PIPES

FLUSH PIPES
STRAIGHT OFFSET



Fig. H-354

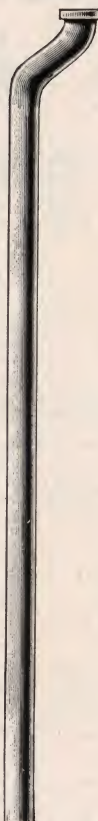


Fig. H-355

SUPPLY PIPES
STRAIGHT OFFSET



Fig. H-356



Fig. H-357

SUPPLY PIPES
FOR LOW TANKS
PLAIN



Fig. H-358

WITH COCK



Fig. H-359

In ordering flush and supply pipes always send coupling nut from both flush and supply tank spuds, and state distance (when offset pipes are wanted) from center of flush and also supply spuds to back of tank.

FLUSH PIPES

| | | | |
|--|------|------|------|
| Size, No. 20 Gauge.....inches | 1¼ | 1⅜ | 1½ |
| Price, Nickel-plated, Straight, 6 feet Long.....each | 2.00 | 2.30 | 2.40 |
| “ “ “ Offset, 6 “ “.....“ | 2.30 | 2.50 | 2.60 |

SUPPLY PIPES

| | | | |
|--|--------------|---------|---------|
| Size.....inches | ¾—No. 14 Ga. | ⅝ I. P. | ½ I. P. |
| Price, Nickel-plated, Straight, 7 feet Long.....each | 2.00 | 2.60 | 3.90 |
| “ “ “ Offset, 7 “ “.....“ | 2.30 | 3.00 | 4.30 |

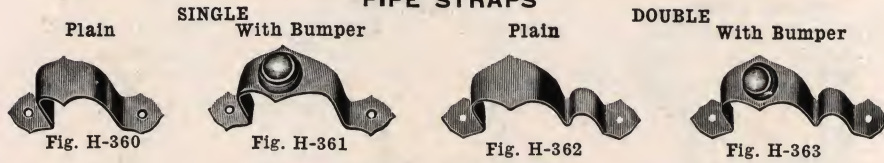
For pipes with a larger offset than 3½ inches, extra charge will be made.

SUPPLY PIPES FOR LOW TANKS

| | | |
|--------------------------------------|--------------|---------|
| Size.....inches | ¾—No. 14 Ga. | ⅝ I. P. |
| Price, Nickel-plated, Plain.....each | 50 | 1.00 |
| “ “ “ with Cock.....“ | 1.10 | 1.60 |

PIPE STRAPS AND HOLDERS

PIPE STRAPS



SINGLE—O. D. SIZES

| Size, Outside Diameter.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ |
|--|---------------|---------------|---------------|------|----------------|----------------|----------------|
| Price, Nickel Plated, Plain....per 100 | 3.75 | 4.00 | 4.25 | 5.00 | 5.75 | 6.00 | 6.75 |
| “ “ “ with Bumper “ 100 | .... | .... | .... | 6.50 | 7.25 | 7.50 | 8.25 |

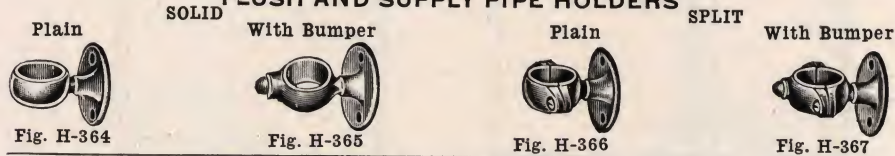
SINGLE—IRON PIPE SIZES

| Size, Iron Pipe.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|---|---------------|---------------|---------------|------|----------------|----------------|
| Price, Nickel Plated, Plain.....per 100 | 4.25 | 4.50 | 5.00 | 5.75 | 6.50 | 7.50 |
| “ “ “ with Bumper.. “ 100 | .... | .... | .... | 7.25 | 8.00 | 9.00 |

DOUBLE—O. D. SIZES

| Size.....inches | $1\frac{1}{4} \times \frac{1}{2}$ | $1\frac{1}{4} \times \frac{5}{8}$ | $1\frac{3}{8} \times \frac{1}{2}$ | $1\frac{3}{8} \times \frac{5}{8}$ | $1\frac{1}{2} \times \frac{1}{2}$ | $1\frac{1}{2} \times \frac{5}{8}$ |
|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Price, Nickel Plated, Plain.....per 100 | 8.75 | 9.00 | 9.25 | 9.50 | 10.25 | 10.50 |
| “ “ “ with Bumper.. “ 100 | 10.25 | 10.50 | 10.75 | 11.00 | 11.75 | 12.00 |

FLUSH AND SUPPLY PIPE HOLDERS



| Size.....inches | $\frac{3}{8}$ I. P. | $\frac{1}{2}$ I. P. | $1\frac{1}{4}$ O. D. | $1\frac{3}{8}$ O. D. | $1\frac{1}{2}$ O. D. |
|---|---------------------|---------------------|----------------------|----------------------|----------------------|
| Price, Nickel Plated, Solid, Plain.....each | .30 | .40 | .50 | .60 | .60 |
| “ “ “ with Bumper “ | .... | .... | .60 | .65 | .65 |
| “ “ “ Split, Plain..... “ | .45 | .55 | .60 | .70 | .70 |
| “ “ “ with Bumper “ | .... | .... | .70 | .80 | .80 |

FLUSH PIPE HOLDERS

Light Heavy

SUPPLY PIPE HOLDERS

Light Heavy



FLUSH PIPE HOLDERS

| Size.....inches | $1\frac{1}{4}$ O. D. | $1\frac{3}{8}$ O. D. | $1\frac{1}{2}$ O. D. |
|--------------------------------------|----------------------|----------------------|----------------------|
| Price, Nickel Plated, Light.....each | .34 | .34 | .34 |
| “ “ “ Heavy..... “ | .70 | .70 | .70 |

SUPPLY PIPE HOLDERS

| Size.....inches | $\frac{3}{8}$ I. P. | $\frac{1}{2}$ I. P. |
|--------------------------------------|---------------------|---------------------|
| Price, Nickel Plated, Light.....each | .22 | .22 |
| “ “ “ Heavy..... “ | .36 | .36 |

NICKEL-PLATED BRASS CLOSET CONNECTIONS

ELBOW CONNECTION FOR
LOW TANK

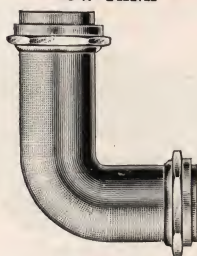


Fig. H-372

OFFSET CONNECTION FOR
LOW TANK

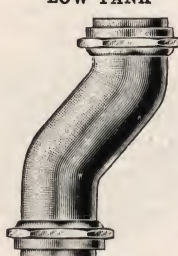


Fig. H-373

STRAIGHT CONNECTION FOR
LOW TANK



Fig. H-374

ELBOW CONNECTIONS

| | | | | | | |
|---|--------|----------------------|----------------------|----------------------|-----------------------|-------|
| Size | inches | 2x3 $\frac{1}{2}$ x5 | 2x3 $\frac{1}{2}$ x6 | 2x4x5 | 2x5x6 | 2x5x8 |
| Price, Nickel-plated, with Nuts and Washers.... | | 1.10 | 1.20 | 1.20 | 1.30 | 1.50 |
| Size | inches | 2x6x6 | 2x6x8 | 2x3 $\frac{1}{2}$ x8 | 2x3 $\frac{1}{2}$ x10 | ..... |
| Price, Nickel-plated, with Nuts and Washers.... | | 1.40 | 1.90 | 1.70 | 2.00 | ..... |
| If without Nuts and Washers, deduct, each | | | | | | .40 |

OFFSET CONNECTIONS

| | | | | | | |
|---|--------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Size | inches | 2x1 $\frac{1}{2}$ x6 | 2x2x6 | 2x2 $\frac{1}{2}$ x6 | 2x3x6 | 2x3 $\frac{1}{2}$ x6 |
| Price, Nickel-plated, with Nuts and Washers.... | | 1.50 | 1.70 | 1.90 | 2.10 | 2.30 |
| Size | inches | 2x4x6 | 2x4 $\frac{1}{2}$ x7 | 2x5x8 | 2x5 $\frac{1}{2}$ x8 | 2x6x8 |
| Price, Nickel-plated, with Nuts and Washers.... | | 2.50 | 3.50 | 4.20 | 5.00 | 5.90 |
| If without Nuts and Washers, deduct, each | | | | | | .40 |

STRAIGHT CONNECTIONS

| | |
|--|------|
| Price, 2x6 inches, Nickel-plated, with Nuts and Washers.....each | 1.00 |
| " 2x6 " " " without Nuts and Washers..... " | .60 |

SLIP JOINT ELBOW
FOR HIGH TANKS

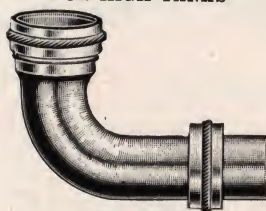


Fig. H-375

CLOSET SPUD REDUCER



Fig. H-376

SLIP JOINT ELBOWS FO HIGH TANKS

| | | | | |
|---------------------------|--------|-----------------|-----------------|-----------------|
| Size Spud..... | inches | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 1 $\frac{1}{2}$ |
| Size Flush..... | inches | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ |
| Price, 4-inch Length..... | | .70 | 1.00 | 1.20 |
| " 6 " " "..... | | .80 | ..... | ..... |
| " 8 " " "..... | | .90 | ..... | ..... |
| " 10 " " "..... | | 1.10 | ..... | ..... |
| " 12 " " "..... | | 1.30 | ..... | ..... |

CLOSET SPUD REDUCERS

| | |
|--|-----|
| Price, 2-inch Spud x 1 $\frac{1}{4}$ -inch Flush, Nickel-plated.....each | .70 |
| " 2 " " x 1 $\frac{1}{2}$ " " " "..... " | .70 |

PLUMBERS' RUBBER SPECIALTIES

CLOSET ELBOW

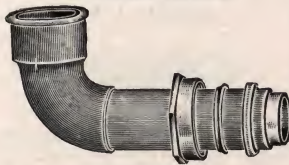


Fig. H-389

CLOSET STRAIGHT FLUSH CONNECTION



Fig. H-390

CLOSET GASKET



Fig. H-391

We call the trade's attention to our line of Plumbers' Rubber Specialties; nearly every article is made to our specifications and is the very best obtainable, irrespective of price. That our line of rubber specialties has been appreciated by the trade is gratifying to us by our steadily increasing sales, as most of the trade has had very unsatisfactory experience with the so called Specialty firms, who as a rule buy the cheapest article they can find that will make an appearance and hold together.

RUBBER CLOSET ELBOWS

| | | | | |
|----------------------|-----------|------|-------|-------|
| Size..... | inches | 1¼ | 1½ | 2 |
| Length Over All..... | inches | 5½ | 6½ | 5½ |
| Price..... | per dozen | 7.20 | 10.80 | 18.00 |

RUBBER CLOSET STRAIGHT FLUSH CONNECTIONS

| | | | |
|----------------------|-----------|------|------|
| Size..... | inches | 1¼ | 1½ |
| Length Over All..... | inches | 4¾ | 4¾ |
| Price..... | per dozen | 6.00 | 9.60 |

CLOSET FLOOR FLANGE GASKETS

| | | |
|------------|-----------|------|
| Price..... | per dozen | 6.00 |
|------------|-----------|------|

FLANGED CLOSET SPUD WASHER



Fig. H-392

MACK BASIN GASKET



Fig. H-393

MACK BATH GASKET

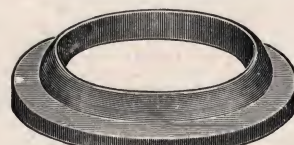


Fig. H-394

FLANGED CLOSET SPUD WASHERS

| | | | | |
|------------|-----------|------|------|------|
| Size..... | inches | 1¼ | 1½ | 2 |
| Price..... | per dozen | 2.16 | 2.40 | 3.00 |

BASIN AND BATH GASKETS

| | | |
|--------------------------------|-----------|-----|
| Price, Mack Basin Gaskets..... | per dozen | .54 |
| " " Bath "..... | " | .72 |

MACK SINK GASKET



Fig. H-395

BEVELED WASTE AND OVERFLOW WASHER



Fig. H-396

| | | |
|---|-----------|------|
| Price, Mack Sink Gaskets..... | per dozen | 1.44 |
| " Beveled Waste and Overflow Washers, 1⅞ inch, I. D., 2⅝ inch O. D., Thick Side ¾ inch, Thin Side ⅞ inch..... | " | 1.92 |

PLUMBERS' RUBBER SPECIALTIES

FEATHER EDGE SYPHON WASHER



Fig. H-397



Fig. H-398

SYPHON PACKER



Fig. H-399

EXTRA QUALITY BLACK RUBBER FEATHER EDGE SYPHON WASHERS

| | | | | | | | |
|-------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
| Size.....inches | 1 | 1 $\frac{1}{8}$ | 1 $\frac{1}{4}$ | 1 $\frac{3}{8}$ | 1 $\frac{1}{2}$ | 1 $\frac{3}{4}$ | 2 |
| Price.....per 100 | 11.00 | 11.50 | 12.00 | 12.50 | 13.00 | 14.00 | 16.00 |

EXTRA QUALITY RED RUBBER FEATHER EDGE SYPHON WASHERS

| | | | | | | | |
|-------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
| Size.....inches | 1 | 1 $\frac{1}{8}$ | 1 $\frac{1}{4}$ | 1 $\frac{3}{8}$ | 1 $\frac{1}{2}$ | 1 $\frac{3}{4}$ | 2 |
| Price.....per 100 | 16.50 | 17.25 | 18.00 | 18.75 | 19.50 | 21.00 | 24.00 |

EXTRA QUALITY BLACK RUBBER SYPHON PACKERS

| | |
|---|-------|
| Price, 1 $\frac{5}{16}$ inches I. D., 3 $\frac{1}{4}$ inches O. D.....per 100 | 24.00 |
|---|-------|

IDEAL
WASTE WASHER

Fig. H-400

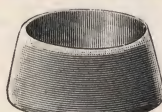
UNIQUE OR BI-TRANSIT
WASTE WASHER

Fig. H-401

MODEL WASTE
WASHER

Fig. H-402

IDEAL WASTE WASHERS

| | | | |
|----------------------------|------------------|-----------------|-----------------|
| Size.....inches | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ |
| Inside Diameter.....inches | 1 $\frac{5}{16}$ | 1 $\frac{3}{8}$ | 1 $\frac{7}{8}$ |
| Outside "....." | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 1 $\frac{3}{4}$ |
| Height....." | 1 $\frac{1}{2}$ | 1 $\frac{5}{8}$ | 1 $\frac{3}{4}$ |
| Price.....per dozen | .84 | 1.08 | 1.32 |

UNIQUE OR BI-TRANSIT WASTE WASHERS

| | | | |
|---------------------|-----|-----------------|-----------------|
| Size.....inches | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ |
| Price.....per dozen | .72 | .96 | 1.20 |

MODEL WASTE WASHERS

| | | | |
|----------------------------|------------------|-----------------|-----------------|
| Size.....inches | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ |
| Inside Diameter.....inches | 1 $\frac{5}{16}$ | 1 $\frac{3}{8}$ | 1 $\frac{7}{8}$ |
| Outside "....." | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 1 $\frac{3}{4}$ |
| Height....." | 1 $\frac{1}{2}$ | 1 $\frac{5}{8}$ | 1 $\frac{3}{4}$ |
| Price.....per dozen | .84 | 1.08 | 1.32 |

WOLFF WASTE WASHER

IMPERIAL
WASTE WASHER

Fig. H-403

| | |
|---|------|
| Price, Imperial Basin Waste Washers.....per dozen | .84 |
| " Imperial Bath Waste Washers....." | 1.20 |
| " Wolff Basin Waste Washers....." | 2.40 |
| " Wolff Bath Waste Washers....." | 3.84 |



Fig. H-404

RUBBER SUNDRIES

SLIP JOINT WASHER



Fig. H-405

UNION WASHER



Fig. H-406

SLIP JOINT WASHERS

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 | *7 | †8 | 9 | *10 | †11 | 12 | 13 |
|-----------------------------|-----------------|----------------|---------------|-----------------|----------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|
| To Slip over Tube O.D.. in. | $\frac{27}{64}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{27}{64}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{13}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{2}{1}$ |
| To Enter Nut I. P..... " | $\frac{3}{8}$ | $\frac{3}{8}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{11}{16}$ | $\frac{2}{1}$ |
| Price..... per 100 | 1.20 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 2.40 | 2.40 | 2.64 | 2.64 | 2.88 | 4.00 | 4.00 |

*Thin. †Regular.

UNION WASHERS

| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|-------------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|
| Price.....per 100 | .60 | .60 | .80 | 1.00 | 1.40 | 2.00 | 2.40 | 2.80 |

CLOSET SEAT BOLT
ROUND HALF ROUND



Fig. H-407



Fig. H-408

BUMPERS

SCREW



Fig. H-409

SOCKET



Fig. H-410

TACK



Fig. H-411

PLAIN

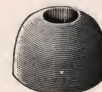


Fig. H-412

CLOSET SEAT BOLT BUMPERS

| | |
|--------------------------|------|
| Price, Round.....per 100 | 7.20 |
| " Half Round....." | 4.20 |

SCREW BUMPERS

| Number..... | 1 | 2 | 3 |
|---------------------|---------------|----------------|------|
| Diameter.....inches | $\frac{3}{4}$ | $1\frac{1}{8}$ | 1 |
| Price.....per 100 | 4.20 | 4.80 | 5.40 |

SOCKET BUMPERS

| Number..... | 1 | 2 | 3 |
|---------------------|---------------|---------------|---------------|
| Diameter.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{7}{8}$ |
| Price.....per 100 | 1.50 | 2.00 | 3.00 |

TACK BUMPERS

| Number..... | 1 | 2 | 3 | 3A | 4 |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| Diameter.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ |
| Price.....per 100 | .90 | 1.20 | 1.80 | 3.00 | 3.60 |

PLAIN BUMPERS—With Recess for Screws

| Number..... | 1 | 2 | 3 | 4 | 5 |
|---------------------|---------------|---------------|---------------|------|-----------------|
| Diameter.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{5}{16}$ |
| Price.....per 100 | 1.20 | 1.80 | 3.00 | 4.80 | 3.30 |

RUBBER GOODS

OHLIGER CONNECTION



Fig. H-413

ROBB COUPLING

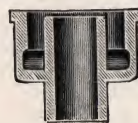


Fig. H-414

| | | |
|---------------------------------|-----------|------|
| Price, Ohliger Connections..... | per dozen | 2.00 |
| " Robb Couplings..... | " | 2.00 |

FULLER BALL



Fig. H-415

TANK BALL



Fig. H-416

RUBBER TUBING



Fig. H-417

FULLER BALLS

| | | | | | | | |
|-----------------------|---------------|---------------|----------------|---------------|-----------------|---------------|-------|
| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{9}{16}$ | $\frac{5}{8}$ | $\frac{11}{16}$ | $\frac{3}{4}$ | 1 |
| Price.....per hundred | 2.70 | 3.60 | 4.50 | 5.40 | 6.60 | 9.00 | 15.00 |

TANK BALLS

| | | |
|--|------|-----|
| Price, Small, 2-inch Outside Diameter..... | each | .50 |
| " Medium, $2\frac{1}{2}$ -inch Outside Diameter..... | " | .60 |
| " Large, $2\frac{3}{4}$ " " "..... | " | .70 |

RUBBER TUBING

| | | | | | | | | | |
|------------------------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|-----|
| Internal Diameter.....inches | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price.....per foot | .08 | .12 | .16 | .18 | .20 | .25 | .30 | .35 | .45 |



Fig. H-418

BULBS

| | | |
|-----------------|------|-----|
| Price, Net..... | each | .70 |
|-----------------|------|-----|

GAUGE GLASS WASHERS

SQUARE



Fig. H-419

ROUND



Fig. H-420

| | | | |
|-----------------------------|---------------|---------------|---------------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Square.....per dozen | .25 | .25 | .30 |
| " Round..... | .30 | .30 | .35 |

HOSE WASHERS

| | | | | | | | |
|---------------------|---------------|---------------|-----|----------------|----------------|------|----------------|
| Size.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ |
| Price.....per dozen | .10 | .10 | .20 | .40 | .60 | 1.20 | 1.80 |

PORCELAIN URINAL STALLS

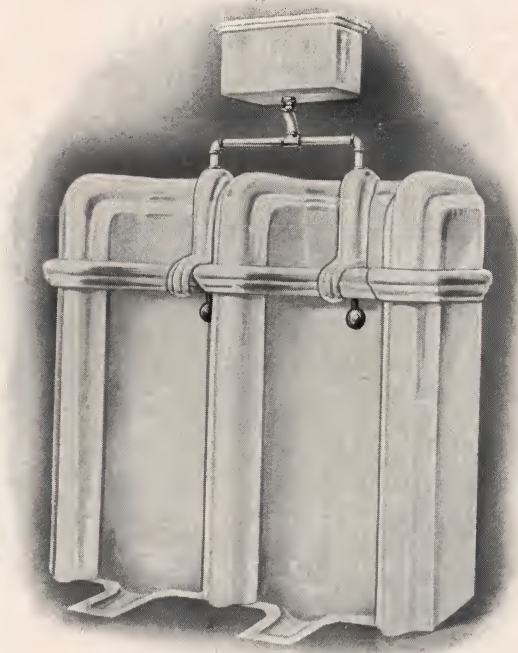


Fig. H-422

Fig. H-422

Porcelain Urinal Stalls with Side Slabs, Floor Slabs, Front Columns, High Top Pieces and Seam Covers, Glazed White, Vitreous China Flush Tank with Automatic Flushing Fittings, Nickel-plated Brass Bell Spreaders, with Flush Connections, Nickel-plated "T" Connections and Flush Pipes to Tank, and Nickel-plated Urinal Strainers

Height from Floor to Top of Stalls, 4 feet, 8 inches.

For every additional part add 2 feet for over all.

For every additional part, add 2 feet for over all dimensions.

| | | Class A | Class B |
|---|--|---------|---------|
| Price, Single-Stall, as described..... | | 127.40 | 97.40 |
| “ Two “ “ “ | | 211.10 | 158.60 |
| “ Urinal only, less Tank and Brass Fittings, Single..... | | 100.00 | 70.00 |
| “ “ “ “ “ “ Two-Stall..... | | 175.00 | 122.50 |
| “ for each additional Urinal, less Tank and Brass Fittings, add | | 75.00 | 52.50 |
| Price, 4-gallon Vitreous Tank with Fittings..... | | | 18.50 |
| “ Nickel-plated Brass Bell Spreaders with Slip Nut for ½-inch I. P., each | | | 3.80 |
| “ “ “ Flush Connections Complete from Tank to Spreader, | | | |
| for Single-Stall..... | | | |
| “ Two “ | | | 2.10 |
| “ Three “ | | | 4.00 |
| “ Four “ | | | 5.00 |
| Price, Nickel-plated Strainer, Regular, each | | | 8.40 |
| “ “ “ for Durham System, each | | | 3.00 |
| “ Vitreous China “ to fit over Brass Outlet, each..... | | | 4.00 |
| | | | 1.00 |

PORCELAIN URINAL STALLS

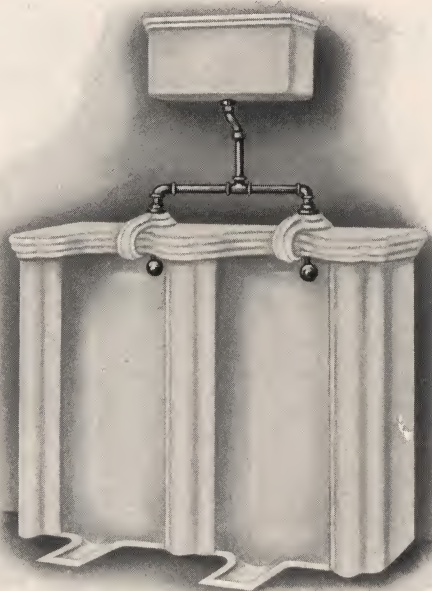


Fig. H-423

Porcelain Urinal Stalls with Side Slabs, Floor Slabs, Front Columns, Low Top Pieces and Seam Covers, Glazed White, Vitreous China Flush Tank with Automatic Flushing Fittings, Nickel-plated Brass Bell Spreaders, with Flush Connections and Nickel-plated "T" Connection and Flush Pipes to Tank; Nickel-plated Urinal Strainers and Floor Flanges.

Height from Floor to Top of Stalls, 40 $\frac{3}{4}$ inches.

Width Over All; Two-Stall, 5 feet; Three-Stall, 7 feet; Four-Stall, 9 feet.

For every additional part, add 2 feet for over all dimensions.

| | Class A | Class B |
|---|---------|---------|
| Price, Single-Stall, as described | 101.00 | 78.50 |
| “ Two “ “ “ | 173.30 | 131.30 |
| “ Urinal only, less Tank and Brass Fittings, Single..... | 75.00 | 52.50 |
| “ “ “ “ “ “ Two-Stall..... | 140.00 | 98.00 |
| “ for each additional Urinal, less Tank and Brass Fittings, add | 65.00 | 45.50 |
| Price, 4-gallon Vitreous China Tank with Fittings | | 18.50 |
| “ Nickel-plated Brass Fan Spreaders with Slip Nut for $\frac{1}{2}$ -inch I. P., each | | 2.40 |
| “ “ Flush Connections complete from Tank to Spreader, | | |
| for Single-Stall | | 2.10 |
| “ Two “ | | 4.00 |
| “ Three “ | | 5.00 |
| “ Four “ | | 8.40 |
| Price, Nickel-plated Strainer, Regular, each | | 3.00 |
| “ “ “ “ for Durham System, each | | 4.00 |
| “ Vitreous China “ to fit over Brass Outlet, each | | 1.00 |

PORCELAIN URINAL STALLS

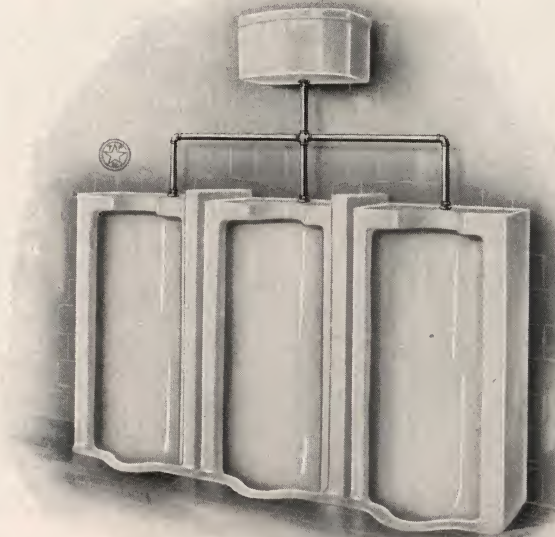


Fig. H-424

Porcelain Urinal Stalls, each Stall Complete in One Integral Piece, including Seam Cover, Glazed Pure White All Over, 8-gallon Vitreous China Tank with Automatic Flushing Fittings, Nickel-plated Three-way Flush Pipe, Nickel-plated Spreader and Locknut.

Height from Floor to Top of Stalls, 44 inches.

Width Over All: Single Stall, 24 inches; Two-Stall, 48 inches; Three-Stall, 72 inches.

Front of Lip to Wall, 18½ inches.

| | Class A | Class B |
|--|---------|---------|
| Price, Three-Stall, as described..... | 244.55 | 170.55 |
| “ Two “ “ “..... | 168.60 | 132.60 |
| “ Three “ without Fittings..... | 206.25 | 152.25 |
| “ Two “ “ “..... | 137.50 | 101.50 |
| “ each additional Stall without Fittings..... | 68.75 | 50.75 |
| Price, Nickel-plated Fan Spreader and Locknut, each..... | | 3.80 |
| “ 8-gallon Vitreous Tank only, each..... | | 12.00 |
| “ Fittings for Tank, per set..... | | 7.50 |
| “ Nickel-plated Flush Connections, Three-Stall, per set..... | | 5.00 |

SOLID PORCELAIN URINALS



Fig. H-425

Battery of Three Solid Porcelain Urinal Stalls with Integral Front Shield, Glazed All Over, Nickel-plated Push Button Flush Valve, Nickel-plated Spreader and Nickel-plated Floor Strainer.

Width of Single Stall, 18 inches.

Height from Floor Line, $41\frac{1}{4}$ inches.

Width of Single Stall, 24 inches.

Height from Floor Line, $41\frac{1}{4}$ inches.

From Wall to Front of Drip Receptor, 15 inches.

From Wall to Front of Shield, 12 inches.

| Size | CLASS A | | CLASS B | |
|--|---------|--------|---------|--------|
| | 18 | 24 | 18 | 24 |
| Price, as described, Three Stalls..... | 160.50 | 181.50 | 130.50 | 142.50 |
| " " " Two Stalls | 107.00 | 121.00 | 87.00 | 95.00 |
| " " " One Stall | 53.50 | 60.50 | 43.50 | 47.50 |

These urinals, when set in batteries as shown, should be set 5 to 6 inches apart to allow space for cleaning.

PORCELAIN URINAL STALLS

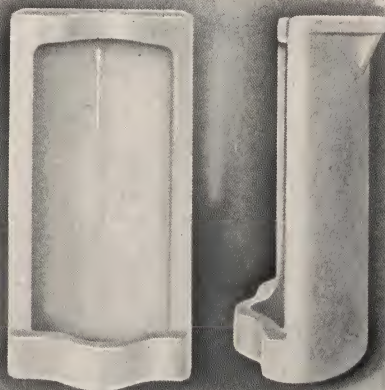


Fig. H-426

Solid Porcelain Urinal Stall to Tile into Floor and to be Encased between Slate or Marble Partitions.

| Size..... | No. 1 | No. 2 |
|------------------------------------|-------|-------|
| Height Over All..... inches | 48 | 48 |
| “ from Floor Line to Top..... “ | 42 | 42 |
| Width Over All, Urinal only..... “ | 24 | 28 |
| Wall to Front Point of Base..... “ | 19 | 20½ |
| “ “ “ “ Top..... “ | 12 | 14 |
| Price, Urinal only, Class A..... | 50.00 | 60.00 |
| “ “ “ “ B..... | 35.00 | 42.00 |

Price, Nickel-plated Fan
Spreader with Slip
Joint Nut each 2.00

Price, Nickel-plated Out-
let Strainer for Lead
Pipe each 3.00

Price, Nickel-plated Out-
let Strainer for Iron
Pipe each 4.00

Price, Nickel-plated Push
Button Flush Valve
with Stop.....each 16.00

On special order these
Urinals can be furnished in Buff
Ware. Prices on application.

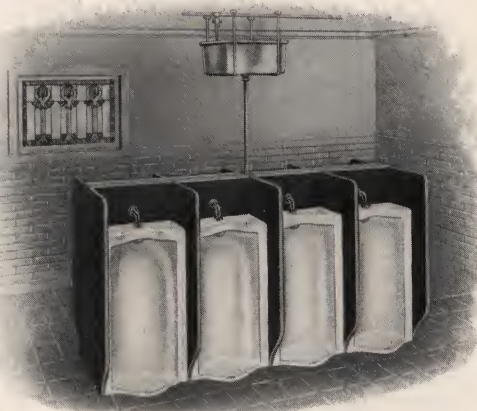


Fig. H-427

MODE OF INSTALLATION

These Stalls are made with rough outside and can only be properly set in batteries where a partition is used. These partitions may be made of slate or marble as desired.

URINAL STALLS

SLATE OR MARBLE



Fig. H-428

Two-Stall Urinal with Two No. 2 Porcelain Lipped Urinals, Nickel-plated Inlet Connections, Nickel-plated Urinal Traps, Oak, Round Cornered Automatic Urinal Tank with Nickel-plated Iron Brackets, Nickel-plated Brass Flush Pipe 2 feet long with Double Couplings, $\frac{1}{8}$ -inch Back and Capping Polished One Side, $\frac{1}{8}$ -inch Ends and Partition Polished Both Sides, 2-inch Countersunk Base, Nickel-plated Clamps and Bolts.

Dimensions: Height, 5 or $5\frac{1}{2}$ feet; Center to Center of Partitions, 2 feet; Depth of Partitions, 20 in.; Depth of Ends, 26 in.; Space Back of Stalls, 6 in. Base projects 2 in.

| Kind of Stalls.....feet | ITALIAN MARBLE | | SLATE | |
|---|----------------|----------------|--------|----------------|
| | 5 | $5\frac{1}{2}$ | 5 | $5\frac{1}{2}$ |
| Price, as described, 2-Stall, with 1-gallon Tank. | 107.70 | 113.50 | 90.30 | 94.75 |
| " " " 3 " " 2 " " | 148.50 | 156.25 | 124.50 | 130.50 |
| " " " 4 " " 3 " " | 190.00 | 200.00 | 160.00 | 167.50 |
| " " " 5 " " 3 " " | 231.75 | 242.75 | 195.00 | 204.25 |
| " " " 6 " " 4 " " | 272.00 | 285.75 | 229.00 | 239.50 |
| " " " 7 " " 4 " " | 309.50 | 325.25 | 260.00 | 272.25 |
| " " " 8 " " 6 " " | 352.00 | 370.00 | 296.50 | 310.25 |
| " " " 9 " " 6 " " | 392.00 | 412.00 | 330.00 | 340.50 |
| " " " 10 " " 8 " " | 435.25 | 457.00 | 366.50 | 383.50 |

If with Cast Brass Combination Brackets, add, per pair, .75. Extra for Lead Lined Tank. If space behind back is not required, capping is deducted and ends are furnished 20 inches instead of 26 inches.

URINAL STALLS

SLATE OR MARBLE



Fig. H-429

Three-Stall Slate or Marble Urinal, Partitions and Rabbeted Back, 1½-inch Countersunk Base, Polished Brass Clamps and Bolts, Polished Brass Perforated Wash Down Pipe with Loose Key Stop and Cast Iron Galvanized Gutter with Straight Outlet Connection.

| Description | Slate | Tennessee Marble | Italian Marble |
|--|-------|---------------------|-------------------|
| Price, as described, 5 ft. High, Three-Stall | 86.75 | 110.25 | 120.25 |
| Additional Stalls, Continuous, 5 ft. High, add. each | 27.00 | 31.25 | 34.00 |
| Two Stalls only, deduct for One Stall from Three-Stall List, 5 ft. High. . . | 27.00 | 31.25 | 34.00 |
| One Single Stall, as described above, 5 ft. High. each | 38.00 | 45.00 | 49.25 |
| Price, as described, 5½ ft. High, Three Stalls. | 92.00 | 117.25 | 128.25 |
| Additional Stalls, Continuous, 5½ ft. High, add. each | 28.50 | 33.00 | 36.25 |
| Two Stalls only, deduct for One Stall from Three-Stall List, 5½ ft. High. . | 28.50 | 33.00 | 36.25 |
| One Single Stall, as described above, 5½ ft. High. each | 40.25 | 48.00 | 52.75 |

Unless otherwise ordered, Urinal with Outlet and Supply on Left-Hand End, as shown, will be sent.

Can also be furnished with Outlet in Centre or on Right-Hand End, or with Bent Outlet.

Gutter can also be furnished of Enameled Iron. Prices upon application.

Can also be furnished with Oak or Pine Automatic Flushing Tank, either Tinned Copper Lined or Lead Lined, prices varying according to capacity of Tank required for the different number of Stalls. Prices upon application.

When ordering, be particular to give location of Outlet and Supply, whether Right or Left-Hand End, or with Outlet in Center.

ENAMELED IRON URINALS



Fig. H-430

Enameled Iron Roll Rim Urinal with Integral Back, Concealed Hangers, Brass Beehive Strainer, Perforated Flush Pipe with Loose Key Stop and 1 $\frac{1}{4}$ -inch Nickel-plated "P" Trap.

| | | | | | | |
|---|-------|-----------------|-------|-----------------|-------|-------|
| Size.....feet | 2 | 2 $\frac{1}{2}$ | 3 | 3 $\frac{1}{2}$ | 4 | 5 |
| Price, Enameled Inside, as described..... | 20.60 | 23.00 | 25.40 | 27.90 | 30.10 | 36.80 |
| " " " without Flush Pipe, | | | | | | |
| Stop and Trap..... | 13.90 | 15.90 | 17.90 | 20.00 | 21.90 | 27.90 |
| " Enameled All Over, as described..... | 24.80 | 27.90 | 30.90 | 33.90 | .... | .... |
| " " " without Flush Pipe, | | | | | | |
| Stop and Trap..... | 17.50 | 20.10 | 22.60 | 25.20 | .... | .... |

Urinals enameled inside only, are furnished with finished brass flush pipe with loose key stop.

Urinals enameled all over are furnished with nickel-plated flush pipe with loose key stop.

EARTHENWARE URINALS

SYPHON JET

TOP SUPPLY AND BOTTOM OUTLET



Fig. H-431

WITH INTEGRAL INLET AND
OUTLET TO WALL

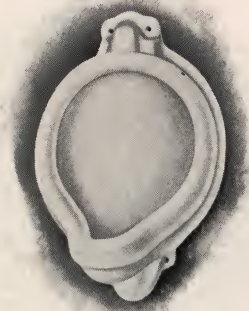


Fig. H-432

TOP SUPPLY AND BOTTOM OUTLET

| | | |
|---|-------|-------|
| Number..... | 1 | 2 |
| Wall to Face of Lip..... inches | 15 | 14 |
| Width Over All..... " | 19 | 17 |
| Price, Urinal only..... | 16.00 | 14.00 |
| Brass Inlet and Outlet Connections extra. | | |

WITH INTEGRAL INLET AND OUTLET TO WALL

| | |
|---|-------|
| Price, Urinal only..... | 15.00 |
| " Brass Inlet and Outlet Connections, per set | 2.00 |
| May be furnished with Top Supply and Bottom Outlet at same price. | |



Fig. H-433

PEDESTAL SYPHON JET URINALS

This Urinal has Deep Seal Trap, Large Waterway, Full Flushing Rim and Syphonic Action.

May also be used as a Slop Hopper.

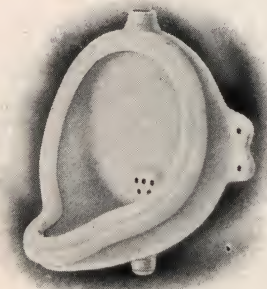
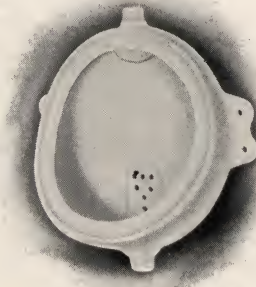
Height from Floor at Back, 31½ inches.

Height from Floor at Front, 24½ inches.

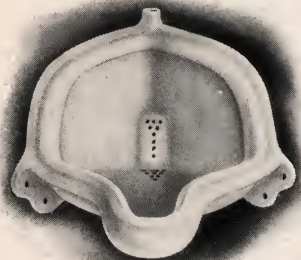
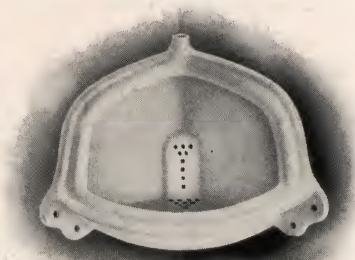
Price, Pedestal Syphon Jet Urinal only..... 25.00

Syphon Wash Down Urinal only..... 23.00

Spuds and Coupling extra.

"BEDFORDSHIRE" URINALS**FLAT BACK****WITH LIP****Fig. H-434****WITHOUT LIP****Fig. H-435**

| | | | |
|-----------------------|-------|-------|-------|
| Number..... | 1 | 2 | 3 |
| Size.....inches | 15x18 | 13x15 | 12x14 |
| Price, with Lip | 10.00 | 8.00 | 7.00 |
| " without Lip..... | 8.00 | 6.00 | 5.00 |

CORNER**WITH LIP****Fig. H-436****WITHOUT LIP****Fig. H-437**

| | | | |
|-----------------------|-------|---------|---------|
| Number..... | 1 | 2 | 3 |
| Size.....inches | 13x13 | 11½x11½ | 10½x10½ |
| Price, with Lip | 10.00 | 8.00 | 7.00 |
| " without Lip | 8.00 | 6.00 | 5.00 |

Urinals with Brass Spuds furnished at special price.

ENAMELED IRON URINALS

FLAT BACK



Fig. H-438

CORNER



Fig. H-439

FLAT BACK

Enameled Iron Flat Back Urinal with Enameled Iron Strainer and Iron Collar.

| | | | |
|---|-------------------|----------------------------------|------|
| | Width, 12 inches. | Height, 11 inches. | |
| | Width, 15 inches. | Height, 11 $\frac{3}{8}$ inches. | |
| Sizes..... | | 12 | 15 |
| Price, as described, Enameled Inside..... | | 2.30 | 2.70 |

CORNER

Enameled Iron Corner Urinal with Enameled Iron Strainer and Iron Collar.

| | | | |
|---|-------------------|----------------------------------|------|
| | Width, 7 inches. | Height, 9 $\frac{1}{4}$ inches. | |
| | Width, 9 inches. | Height, 9 $\frac{1}{4}$ inches. | |
| | Width, 12 inches. | Height, 10 $\frac{1}{4}$ inches. | |
| Sizes..... | | 7 | 9 |
| Price, as described, Enameled Inside..... | | 1.60 | 2.00 |
| | | | 2.50 |

URINAL FITTINGS URINAL STALL STRAINERS FOR IRON PIPE CONNECTION

VITREOUS CHINA

FOR LEAD PIPE
CONNECTION

Fig. H-440



Fig. H-441

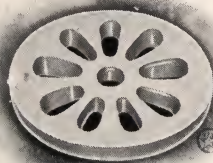


Fig. H-442

| | | |
|--|------|------|
| Nickel-plated Brass Urinal Strainer, Regular Pattern for Lead Pipe Connection with 4 1/2-inch Flange and Removable Face..... | each | 3.00 |
| Nickel-plated Brass Urinal Strainer for 3-inch Iron Pipe Connection with 4 1/2-inch Flange and Removable Face..... | " | 4.00 |
| Vitreous China Strainer to fit over Brass Outlet Strainer..... | " | 1.00 |

ACORN SPREADER**ACORN SPREADER**

| | | |
|---|------|------|
| Nickel-plated Brass Acorn Flush Spreader with Slip Joint Nut for 1/2-inch I. P. Supply..... | each | 2.00 |
|---|------|------|

INLET CONNECTION

| | | |
|---|---|-----|
| Nickel-plated Brass Inlet Connection with 1 1/4-inch O. D. Slip Joint Nut for Flush Pipe..... | " | .95 |
|---|---|-----|

**INLET
CONNECTION**

Fig. H-444



Fig. H-443

PUSH BUTTON URINAL VALVE

There has been a general complaint that push button and lever handle urinal valves have not worked satisfactorily. This has been due to the fact that they have been sprung or bent thus causing friction which would not allow them to work properly. With the push button urinal valve we have overcome this defect by using a ball joint oscillating handle so that regardless of how the operator operates the valve he cannot injure it for the reason that the ball joint handle is practically separate from the valve.

This valve should never be installed without the stop valve as it controls the volume of water to the valve. At a small expense, we can furnish this valve with an angle stop to wall which will turn the handle to the left as you face it.

| | |
|---|-------|
| Valve with China Handle, Straight Stop to Wall, 1/2-inch Supply Pipe to Wall, Wall Flange and 12 inches of 3/8-inch O. D. Flush Pipe..... | 14.70 |
| If without Stop, deduct..... | 1.50 |
| " " Supply Pipe and Flange, deduct..... | .70 |

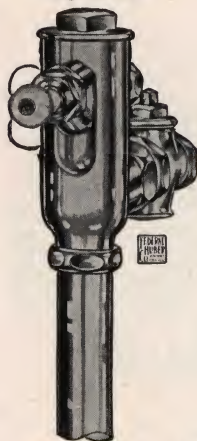


Fig. H-445

URINAL FLUSH PIPES (NOT ILLUSTRATED)

| | | |
|--|------|-------|
| Price Single, with One Inlet Connection, Nickel-plated..... | each | 3.00 |
| " Double, " Two " Connections, " "..... | " | 9.00 |
| " Triple, " Three " " "..... | " | 14.00 |
| " Quadruple, with Four Inlet Connections, Nickel-plated..... | " | 23.50 |

ENAMELED IRON WASH SINKS

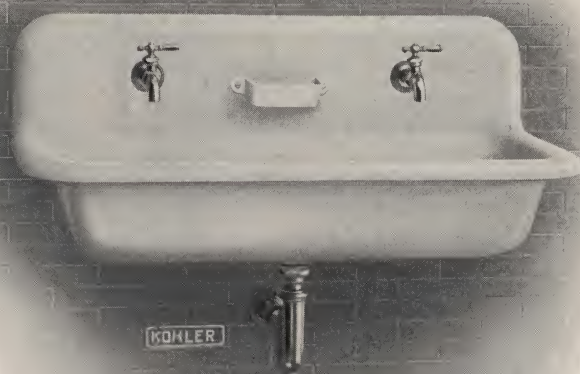


Fig. H-446

Enameled Iron Roll Rim Wash Sink with Integral Back, Concealed Hangers, Enameled Soap Dish, Nickel-plated Fuller Bibbs, Nickel-plated Strainer and Coupling with Tail Piece and Nickel-plated "P" Trap.

Back, 8 inches Width, Outside 18 inches; Inside $13\frac{1}{4}$ inches

| | | | |
|--|-------|-------|-------|
| Sizes | 36 | 48 | 60 |
| Price, as described, Enameled Inside | 29.60 | 35.30 | 40.90 |
| " without Bibbs and Trap, Enameled Inside | 22.70 | 28.40 | 34.00 |

ENAMELED IRON WASH SINKS

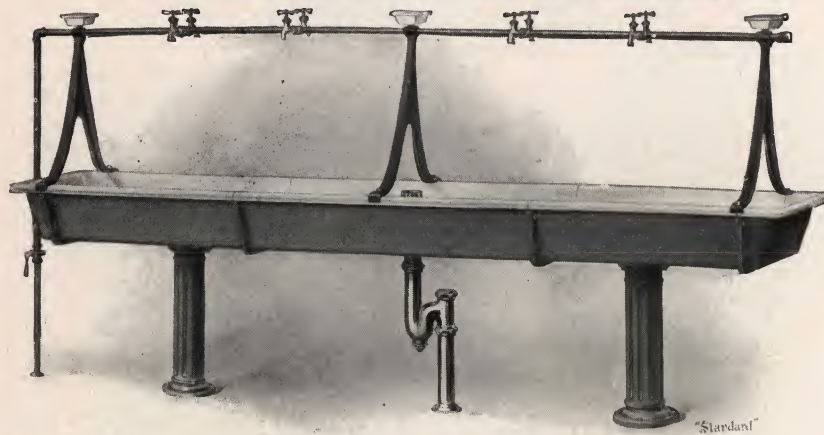


Fig. H-447

Enameled Inside Iron Roll Rim Sectional Wash Sink on Painted Iron Pedestals with $\frac{3}{4}$ -inch Brass Supply Pipe on Painted Iron Supports over Center of Sink, Nickel-plated Open Standing Waste and Overflow in Center Section, and Soap Dishes.

| | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|
| Length..... feet | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Number of Bibbs..... | 4 | 4 | 4 | 6 | 8 | 8 | 8 |
| “ “ Supply Supports..... | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| Price, as described, 18 inches Wide... | 28.00 | 33.00 | 38.00 | 43.50 | 50.50 | 55.50 | 61.00 |
| “ “ “ 24 “ “ ... | 33.00 | 39.50 | 46.00 | 53.00 | 61.50 | 71.00 | 81.00 |
| “ “ “ 27 “ “ ... | 36.00 | 43.50 | 51.00 | 59.00 | 68.50 | 79.00 | 90.00 |

| | | | | | | | |
|--|-------|--------|--------|--------|--------|--------|--------|
| Length..... feet | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Number of Bibbs..... | 8 | 12 | 12 | 12 | 12 | 14 | 16 |
| “ “ Supply Supports..... | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Price, as described, 18 inches Wide... | 66.00 | 79.00 | 84.00 | 89.00 | 94.00 | 99.50 | 105.00 |
| “ “ “ 24 “ “ ... | 87.50 | 96.00 | 102.50 | 109.00 | 115.50 | 122.50 | 129.50 |
| “ “ “ 27 “ “ ... | 97.50 | 107.00 | 114.50 | 122.00 | 129.50 | 137.50 | 145.50 |

Above sinks may be furnished up to 66 feet long. Prices on application.

FLAT RIM

Extra Heavy Flat Rim Wash Sink, Painted Pedestals, $\frac{3}{4}$ -inch Galvanized Supply Pipe on Painted Supports over Center of Sink, Nickel-plated Open Standing Waste, Soap Dishes and 2-inch Painted Iron “S” Trap with Brass Vent.

Width over Rim, 24 inches. Depth Inside, 6 inches.

| | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|
| Length..... feet | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Number of Bibbs..... | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| “ “ Supply Supports..... | 2 | 3 | 3 | 4 | 4 | 4 | 4 |
| Price, as described, Enameled Inside.. | 24.50 | 36.00 | 41.00 | ..... | ..... | ..... | ..... |
| “ “ “ Painted | 18.50 | 23.00 | 25.00 | 30.50 | 34.50 | 37.00 | 40.00 |

If with Finished Compression Bibbs, add, each 1.00

“ “ “ Brass “S” Trap, add..... 6.00

“ “ Rough Brass Stop, add..... 1.00

“ “ Hot Water Supply Pipe in addition to Cold Water Supply, less

Bibbs and Stop, add, per foot: Brass, 1.00; Galvanized Iron50

Above price lists do not include Bibbs. Rough Stop or Supply Pipe to Floor.

PORCELAIN ROLL RIM SINKS

ALL ROLL RIM



Fig. H-448

WITH INTEGRAL BACK

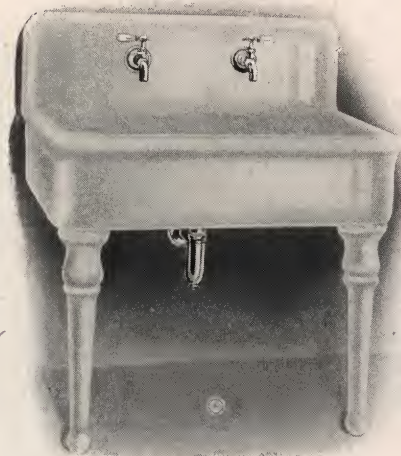


Fig. H-449

ALL ROLL RIM

Porcelain Roll Rim Sink on Bronzed Iron Legs, Nickel-plated Compression Bibbs, Nickel-plated Outlet Strainer and Coupling and Trap to Wall.

| | | | | | | |
|---|--------|-------|-------|-------|-------|-------|
| Size..... | inches | 24x17 | 30x20 | 36x23 | 42x24 | 48x24 |
| Depth Inside..... | " | 7½" | 7½" | 7½" | 7½" | 7½" |
| Price, as described, Class A | | 22.00 | 28.00 | 32.00 | 39.00 | 46.00 |
| " " " " B | | 18.40 | 22.60 | 25.40 | 30.30 | 35.20 |
| " Sink, less Legs and Fittings, Class A.... | | 12.00 | 18.00 | 22.00 | 29.00 | 36.00 |
| " " " " B | | 8.40 | 12.60 | 15.40 | 20.30 | 25.20 |

| | |
|--|-------|
| Bronzed Iron Legs and Supports only, per pair..... | 3.00 |
| Porcelain Legs “ “ Class A, per pair..... | 12.00 |
| “ “ “ “ “ B, “..... | 8.40 |

WITH INTEGRAL BACK

Porcelain Sink with 9-inch Integral Back and Porcelain Legs, Nickel-plated Fuller China Handle Bibbs, Nickel-plated Outlet Strainer and Coupling and Trap to Wall.

| | | | | | |
|--|--------|-------|-------|-------|-------|
| Size..... | inches | 24x22 | 30x22 | 36x24 | 42x24 |
| Depth Inside | " | 7 | 7 | 7 | 7 |
| Price, as described, Class A..... | | 45.40 | 50.40 | 55.40 | 65.40 |
| " " Class B..... | | 34.30 | 37.80 | 41.30 | 48.30 |
| " Sink without Legs, less all Fittings, Class A... " | B... | 25.00 | 30.00 | 35.00 | 45.00 |
| " Porcelain Legs only, Class A..... per pair | | 17.50 | 21.00 | 24.50 | 31.50 |
| " " " " " B..... | " | 12.00 | 12.00 | 12.00 | 12.00 |
| | | 8.40 | 8.40 | 8.40 | 8.40 |

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

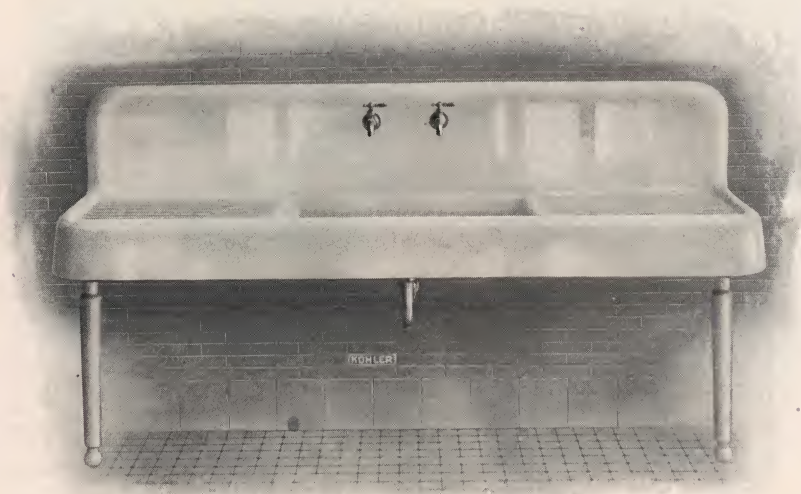


Fig. H-450

Enameled Iron Roll Rim Sink with Apron, Double Drain Boards and 12-inch Back all in one piece, Enameled Adjustable Legs, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap and Nickel-plated Brass Strainer with Coupling and Tail Piece.

| Sink Inches | Drain Boards Inches | Back Inches | Apron Inches | Length Over All Inches | Width Over All Inches |
|----------------|------------------------|----------------|-----------------|------------------------------|-----------------------------|
| 20x30 | 20x24 | 12 | 6 | 78 $\frac{3}{4}$ | 21 |
| 22x30 | 22x24 | 12 | 6 | 78 $\frac{3}{4}$ | 23 |

| | | |
|--|-------|-------|
| Sizes | 20x30 | 22x30 |
| Price, as described | 79.10 | 82.70 |
| " less Bibbs and Trap | 71.60 | 75.20 |
| Add for Rubber Drain Board Mats.....each | 2.80 | 3.20 |

If with Painted Legs instead of Enameled Iron Legs, deduct per pair.. 3.00

ENAMELED IRON ROLL RIM SINKS

ONE PIECE



Fig. H-451

Enameled Iron Roll Rim Sink with Apron, Left-Hand Drain Board and Back all in one piece, Enameled Iron Adjustable Legs, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| Sink Inches | Drain Board Inches | Back Inches | Apron Inches | Length Over All Inches | Width Over All Inches |
|-----------------------------|-----------------------|----------------|-----------------|------------------------------|-----------------------------|
| 20x30 | 20x24 | 12 | 6 | 56 | 21 |
| 22x30 | 22x24 | 12 | 6 | 56 | 23 |
| Sizes | | | | 20x30 | 22x30 |
| Price, as described | | | | 51.70 | 53.90 |
| “ less Bibbs and Trap | | | | 44.20 | 46.40 |

If with Rubber Drain Board Mat, add, 20x24-inch, 2.80; 22x24-inch.... 3.20

“ “ Painted Legs instead of Enameled Legs, deduct, per pair..... 3.00

Also furnished with Right-Hand Drain Board.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

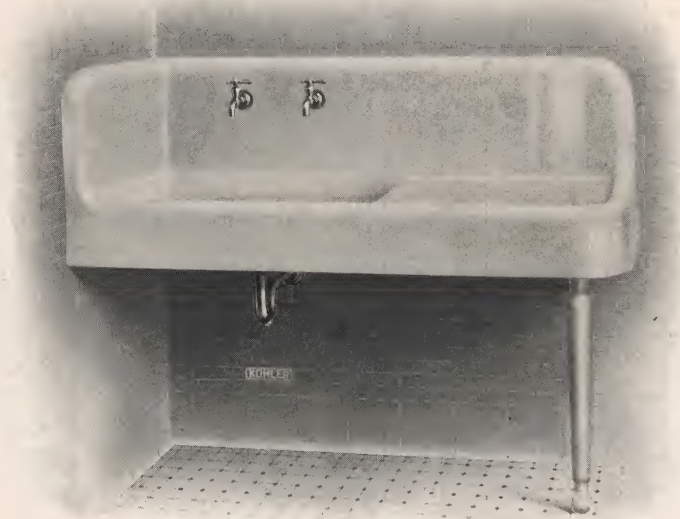


Fig. H-452

Enameled Iron Roll Rim Sink with Apron, Right-Hand Drain Board, Back and Left Hand End all in one piece, Enameled Iron Adjustable Leg, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| Sink Inches | Drain Board Inches | Back Inches | Apron Inches | Length Over All Inches | Width Over All Inches |
|----------------------------|-----------------------|----------------|-----------------|------------------------------|-----------------------------|
| 20x30 | 20x24 | 12 | 6 | 54 $\frac{1}{4}$ | 21 |
| 22x30 | 22x24 | 12 | 6 | 56 | 23 |
| Sizes..... | | | | 20x30 | 22x30 |
| Price, as described..... | | | | 52.80 | 55.10 |
| " less Bibbs and Trap..... | | | | 45.30 | 47.60 |

If with Rubber Drain Board Mat, add, 20x24-inch, 2.80; 22x24-inch.... 3.20

" " Painted Iron Leg instead of Enameled Iron Leg, deduct..... 1.50

Also furnished with Left-Hand Drain Board and Right-Hand End Piece.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

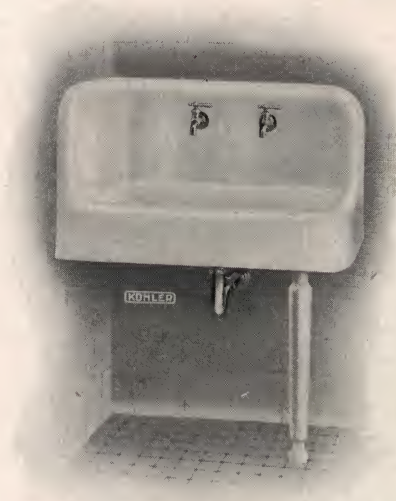


Fig. H-453

Enameled Iron Roll Rim Sink with Apron, Back and Left-Hand End all in one piece, Enameled Iron Adjustable Leg, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| | | |
|-----------------|--------------|--------------|
| Sink, 18x30 in. | Back, 12 in. | Apron, 6 in. |
| Sink, 20x30 in. | Back, 12 in. | Apron, 6 in. |

| | | |
|-------------------------|-------|-------|
| Sizes | 18x30 | 20x30 |
| Price, as described ... | 36.30 | 37.50 |
| " less Bibbs and | | |
| Trap | 28.80 | 30.00 |

If with Painted Leg, deduct . . 1.50

Enameled Iron Roll Rim Sink with Apron and Back all in one piece, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| | | |
|-----------------|--------------|--------------|
| Sink, 18x30 in. | Back, 12 in. | Apron, 6 in. |
| Sink, 20x30 in. | Back, 12 in. | Apron, 6 in. |

| | | |
|-------------------------|-------|-------|
| Sizes | 18x30 | 20x30 |
| Price, as described ... | 28.20 | 29.10 |
| " less Bibbs and | | |
| Trap | 20.70 | 21.60 |

If with Enameled Iron Adjustable Legs, add, per pair 4.80
 " with Painted Iron Adjustable Legs, add, per pair 1.80



Fig. H-454

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

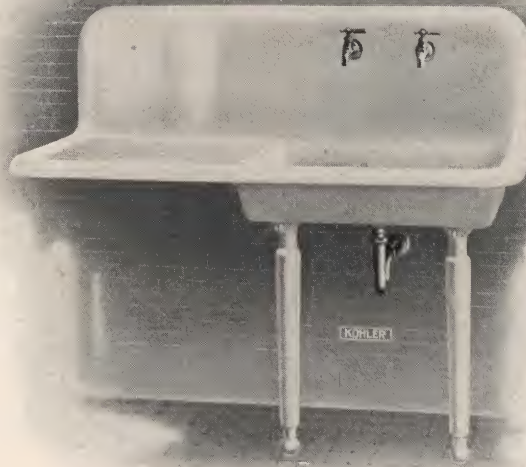


Fig. H-455

Enameled Iron Roll Rim Sink with Back and Left-Hand Drain Board all in one piece, Concealed Hangers, Painted Iron Adjustable Legs, Nickel-plated Fuller Flange Bibbs, Nickel-plated "P" Trap, Nickel-plated Strainer and Tail Piece.

| Sink Inches | Drain Board Inches | Back Inches | Length Over All Inches | Width Over All Inches |
|----------------|-----------------------|----------------|---------------------------|--------------------------|
| 20x26 | 18x20 | 12 | 44 | 20½ |
| 20x28 | 20x20 | 12 | 48 | 20½ |
| 20x30 | 20x24 | 12 | 55¼ | 20½ |
| 22x30 | 22x24 | 12 | 55¼ | 22½ |

| | | | | |
|-------------------------------|-------|-------|-------|-------|
| Sizes.....inches | 20x26 | 20x28 | 20x30 | 22x30 |
| Price, as described..... | 31.40 | 32.50 | 34.00 | 35.60 |
| " without Bibbs and Trap..... | 23.90 | 25.00 | 26.50 | 28.10 |

If without Legs, deduct, per pair..... 1.80
 If with Enameled Legs, instead of Painted, add, per pair..... 3.00

If with Rubber Drain Board Mat, add, 18x20, 2.60; 20x20, 2.70; 20x24, 2.80; 22x24, 3.20.

Sink also furnished with Right-Hand Drain Board.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE



Fig. H-456

Enameled Iron Roll Rim Sink with Back, Right-Hand End, and Left-Hand Drain Board all in one piece, Concealed Hangers, Painted Iron Adjustable Legs, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Strainer and "P" Trap.

| Sink Inches | Drain Board Inches | Back Inches | Length Over All Inches | Width Over All Inches |
|----------------|-----------------------|----------------|---------------------------|--------------------------|
| 20x30 | 20x24 | 12 | 55½ | 20¾ |
| 22x30 | 22x24 | 12 | 55½ | 22¾ |

| | | | |
|--|--------|-------|-------|
| Sizes | inches | 20x30 | 22x30 |
| Price, as described | | 44.60 | 46.50 |
| " without Bibbs and Trap..... | | 37.10 | 39.00 |
| If with Enameled Legs instead of Painted, add per pair..... | | | 3.00 |
| If with Rubber Drain Board Mat, add, 18x20, 2.60; 20x20, 2.70; 20x24, 2.80; 22x24, 3.20. | | | |

Furnished with Left-Hand End and Right-Hand Drain Board at same price.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE



Fig. H-457

Enameled Iron Roll Rim Sink with Back and Right-Hand End Piece and Right-Hand Drain Board all in one piece, Concealed Wall Hangers, Painted Iron Adjustable Leg, Nickel-plated Fuller Adjustable Flange Bibbs, Nickel-plated "P" Trap, Nickel-plated Strainer and Tail Piece.

| | | |
|------------------------------|-----------------------------|-----------------|
| Sink, 22x30 inches. | Drain Board, 22x24 inches. | Back, 12 inches |
| Length Over All, 55½ inches. | Width Over All, 22¾ inches. | |

| | |
|--|-------|
| Price, as described..... | 40.30 |
| " without Bibbs and Trap..... | 32.80 |
| If without Leg, deduct..... | .90 |
| " with Enameled Leg, instead of Painted, add..... | 1.50 |
| " " Rubber Drain Board Mat, add..... | 3.20 |

Also furnished with Left-Hand End Piece and Drain Board.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

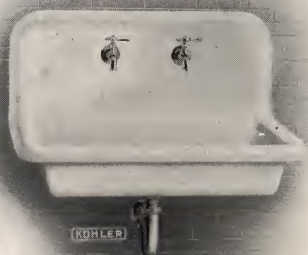


Fig. H-458

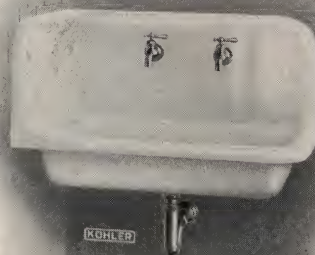


Fig. H-459

FIG. H-458

Enameled Iron Roll Rim Sink with 12-inch Back in one piece, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sizes..... | 16x24 | 18x24 | 18x30 | 20x20 | 20x24 | 20x30 | 20x36 | 20x40 | 22x30 | 22x36 | 22x42 |
| Price, as described, Enameled Inside | 16.20 | 16.50 | 18.00 | 16.80 | 17.70 | 18.60 | 20.60 | 23.20 | 20.00 | 21.80 | 24.40 |
| Price, less Bibbs and Trap, Enameled Inside..... | 8.70 | 9.00 | 10.50 | 9.30 | 10.20 | 11.10 | 13.10 | 15.70 | 12.50 | 14.30 | 16.90 |
| If Enameled All Over, add | 3.50 | 3.60 | 4.20 | 3.70 | 4.20 | 4.40 | 5.20 | 6.30 | 5.00 | 5.70 | 6.80 |

FIG. H-459

Enameled Iron Roll Rim Sink with 12-inch Back and Left-Hand End all in one piece, Concealed Wall Hangers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Vented "P" Trap, Nickel-plated Brass Strainer with Coupling and Tail Piece.

| | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|
| Sizes..... | 16x24 | 18x24 | 18x30 | 18x36 | 20x30 | 20x36 | 20x40 |
| Price, as described, Enameled Inside | 21.30 | 21.90 | 23.40 | 25.50 | 24.30 | 26.40 | 29.10 |
| Price, less Bibbs and Trap, Enameled Inside | 13.80 | 14.40 | 15.90 | 18.00 | 16.80 | 18.90 | 21.60 |
| If Enameled All Over, add .. | 4.20 | 4.40 | 4.80 | 5.40 | 5.10 | 5.70 | 6.50 |

Also furnished with Right-Hand End Piece.

ENAMELED IRON SINKS

FLAT RIM, WITH NEW STYLE STRAINER

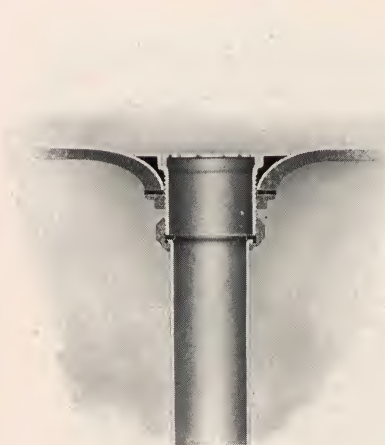


Fig. H-460



Fig. H-461

No bolts are required to fit this strainer to the sink. The strainer is drawn tight onto the outlet by means of a locknut on the shank. The top flange and shank are made in one piece and the center plate screws flush into the top of plug. The strainer plate can be easily removed.

| Size, Inches | Price Each | Size, Inches | Price Each |
|--------------|------------|--------------|------------|
| 12x16 | 2.70 | 18x36 | 5.40 |
| 12x18 | 2.85 | 20x24 | 4.30 |
| 12x20 | 3.15 | 20x28 | 4.60 |
| 14x20 | 3.50 | 20x30 | 4.40 |
| 14x22 | 3.60 | 20x32 | 5.40 |
| 16x20 | 3.70 | 20x36 | 5.95 |
| 16x24 | 3.80 | 20x40 | 7.75 |
| 16x28 | 4.30 | 20x42 | 8.10 |
| 16x30 | 4.50 | 20x48 | 9.05 |
| 18x24 | 4.05 | 22x36 | 6.20 |
| 18x28 | 4.40 | 22x42 | 8.40 |
| 18x30 | 3.90 | 24x48 | 10.35 |
| 18x32 | 5.30 | 24x50 | 11.95 |

If with Patent Overflow, add..... 1.80
 " " " " and Plug Strainer, add..... 2.30

CAST IRON SINKS **REGULAR FLAT RIM SINKS**



Fig. H-462

| Size Inches | Price Painted Each | Size Inches | Price Painted Each | Size Inches | Price Painted Each |
|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|
| 12x12 | 1.00 | 16x30 | 2.25 | 20x42 | 4.25 |
| 12x16 | 1.10 | 18x24 | 2.10 | 20x48 | 5.25 |
| 12x18 | 1.25 | 18x30 | 2.50 | 22x42 | 4.75 |
| 12x20 | 1.40 | 18x32 | 2.75 | 22x48 | 5.50 |
| 14x14 | 1.35 | 18x36 | 3.25 | 24x48 | 6.00 |
| 14x20 | 1.50 | 20x24 | 2.40 | 24x50 | 7.50 |
| 14x22 | 1.60 | 20x28 | 2.70 | 20x60 | 10.00 |
| 14x24 | 1.70 | 20x30 | 3.00 | 24x60 | 12.00 |
| 16x16 | 1.50 | 20x36 | 3.70 | 22x62 | 12.00 |
| 16x20 | 1.70 | 20x38 | 3.80 | 20x72 | 13.00 |
| 16x24 | 1.90 | 22x36 | 3.80 | 24x72 | 15.00 |
| 16x28 | 2.10 | 20x40 | 4.00 | .... | .... |

If with overflow, add 1.50. If with overflow and plug strainer, add 2.00.
 If with overflow, nickel-plated strainer and rubber stopper, add 2.00.
 Galvanized sinks, prices on application.

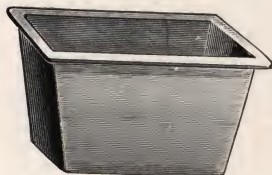


Fig. H-463

SLOP SINKS

| Dimensions.....inches | 16x16x10 | 16x20x12 | 20x24x12 |
|---|----------|----------|----------|
| Price, Painted, with 4-inch Center Outlet.....each | 2.00 | .... | .... |
| “ with Lead Pipe Connection..... “ | 2.70 | 4.00 | 5.00 |

Add for iron pipe collar, 75 cents.

ENAMELED IRON SINK BACKS AND ENDS

BACKS

DEEP PATTERN, FOR FLAT RIM SINKS

SHALLOW PATTERN, FOR FLAT RIM SINKS



Fig. H-464

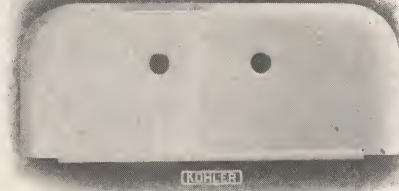


Fig. H-465

DEEP PATTERN, FOR FLAT RIM SINKS

12 Inches High, 2 Inches Deep

| | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Length.....inches | 20 | 22 | 24 | 28 | 30 | 32 | 36 | 40 | 42 | 48 |
| Price.....each | 2.90 | 3.00 | 3.20 | 4.20 | 3.80 | 4.60 | 4.90 | 5.50 | 5.80 | 6.80 |

SHALLOW PATTERN, FOR FLAT RIM SINKS

12 Inches High, 1½ Inches Deep

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Length.....inches | 16 | 18 | 20 | 22 | 24 | 28 | 30 | 32 | 36 | 40 | 42 | 48 | 50 |
| Price.....each | 2.00 | 2.20 | 2.30 | 2.60 | 2.90 | 3.40 | 3.00 | 3.90 | 4.40 | 5.00 | 5.20 | 6.50 | 6.80 |

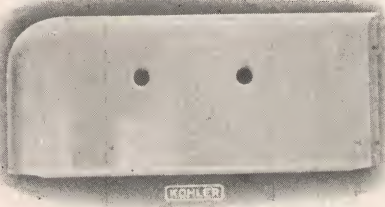
SHALLOW PATTERN END PIECE
FOR FLAT RIM SINKSHALLOW PATTERN BACK
FOR FLAT RIM CORNER SINK

Fig. H-466



Fig. H-467

SHALLOW PATTERN BACKS, FOR FLAT RIM CORNER SINKS

12 Inches High, 1½ Inches Deep

| | | | | |
|-------------------|------|------|------|------|
| Length.....inches | 20 | 24 | 30 | 36 |
| Price.....each | 2.30 | 2.90 | 3.00 | 4.40 |

SHALLOW PATTERN END PIECES, FOR FLAT RIM SINKS

12 Inches High, 1½ Inches Deep

| | | | |
|-------------------|------|------|------|
| Length.....inches | 16 | 18 | 20 |
| Price.....each | 1.70 | 2.00 | 2.20 |

Sink backs are regularly furnished with two cock holes 8 inches C to C. Sink backs with one hole only will be furnished at same price. For special drilling, prices on application.

In ordering end pieces, state whether right or left-hand end is desired.

DRAIN BOARDS

ENAMELED IRON



Fig. H-468

Enameled Iron Interchangeable Drain Board for Roll Rim Sinks, with Concealed Enameled Iron Bracket.

| | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sizes | 16x18 | 18x18 | 20x18 | 22x18 | 16x24 | 18x24 | 20x24 | 22x24 |
| Price..... | 3.80 | 4.10 | 4.40 | 4.70 | 4.40 | 4.70 | 5.00 | 5.40 |

ASH



Fig. H-469

Ash Wood Interchangeable Drain Board for Roll Rim Sinks, with Concealed Iron Bracket.

| | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sizes..... | 16x18 | 18x18 | 20x18 | 22x18 | 16x24 | 18x24 | 20x24 | 22x24 |
| Price..... | 2.40 | 2.60 | 2.80 | 3.00 | 2.80 | 3.10 | 3.40 | 3.70 |

SINK FITTINGS SINK BRACKETS

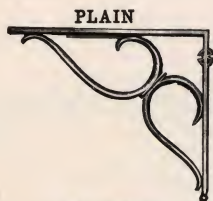


Fig. H-470

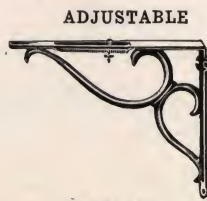


Fig. H-471

| Description..... | PLAIN | | | ADJUSTABLE | | |
|-----------------------------------|-------|------|------|------------|------|------|
| | 1 | 2 | 3 | 1 | 2 | 3 |
| Number | | | | | | |
| For Sinks, width up to.....inches | 14 | 18 | 24 | 14 | 18 | 24 |
| Price, Plain .....each | .50 | .50 | .70 | .60 | .75 | 1.25 |
| " Galvanized and Enameled....." | 1.00 | 1.00 | 1.25 | 1.00 | 1.25 | 2.00 |

OPEN STRAINER



Fig. H-472

SINK PLUG WITH RUBBER STOPPER



Fig. H-473

COMBINED SINK STRAINER AND PLUG



Fig. H-474

SINK STRAINERS AND PLUGS

| Description..... | Painted | Galvanized | Enameled | Polished Brass | Brass, Nickel Plated |
|---------------------------------|---------|------------|----------|-------------------|-------------------------|
| Price, Open Strainers per dozen | 1.50 | 2.60 | 3.00 | 3.75 | 4.00 |
| " Sink Plugs....." | 3.25 | 5.00 | 10.00 | 7.00 | 8.00 |

COMBINED SINK STRAINERS AND PLUGS

| Diameter.....inches | 4½ | 4⅝ | 4¾ | 5 |
|-------------------------|------|------|------|------|
| Price, Brass.....each | 1.00 | 1.10 | 1.15 | 1.25 |
| " " Nickel Plated....." | 1.15 | 1.20 | 1.25 | 1.35 |

SINK COUPLING



Fig. H-475

SINK COUPLING, TAPPED FOR IRON PIPE



Fig. H-476

LONG SINK BOLTS



Fig. H-477

SHORT



Fig. H-478

SINK COUPLINGS

| Description..... | TAPPED FOR IRON PIPE | | | | PLAIN | |
|-------------------------|----------------------|-----|-----|------|------------------------------|------|
| | 1 | 1¼ | 1½ | 2 | Price, Painted.....per dozen | 1.50 |
| Size Pipe.....inches | | | | | " Galvanized....." | 2.00 |
| Price, Painted.....each | .75 | .75 | .75 | 1.00 | | |
| " Galvanized.." | .90 | .90 | .90 | 1.25 | | |

SINK BOLTS

| Description | LONG | | SHORT | |
|----------------------|-----------|-------------|-----------|-------------|
| | Per dozen | Per hundred | Per dozen | Per hundred |
| Price | | | | |
| Iron | .40 | 2.00 | | |
| Brass | 1.00 | 5.00 | .40 | 2.00 |
| " Nickel Plated..... | 1.25 | 6.25 | | |

COPPER AND GERMAN SILVER PANTRY SINKS

OWAL
WITH PATENT OVERFLOW AND PLUG



Fig. H-479

SQUARE
WITH PATENT OVERFLOW AND PLUG

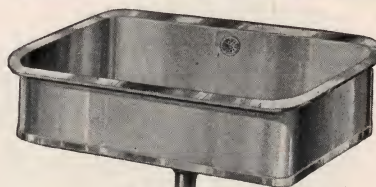


Fig. H-480

| Size | inches | 12x18 | 12x20 | 14x16 | 14x20 | 14x24 | 16x24 | 16x30 | 18x30 |
|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price, Oval, Copper | each | 8.00 | 8.50 | 9.00 | 9.50 | 11.00 | 12.00 | 14.00 | 15.00 |
| " " German Silver | " | 12.50 | 13.50 | 14.50 | 15.00 | 18.00 | 20.00 | 23.00 | 25.00 |
| " Square, Copper | " | 4.50 | 5.00 | 4.50 | 6.00 | 7.00 | 8.00 | 10.00 | 11.00 |
| " " German Silver | " | 9.00 | 10.00 | 9.00 | 12.00 | 14.00 | 16.00 | 20.00 | 22.00 |

If sinks are wanted without patent overflow and waste plug, deduct 2.00.

SQUARE
WITH STANDING OVERFLOW AND WASTE

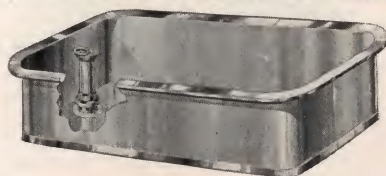


Fig. H-481

RECESS
WITH STANDING OVERFLOW AND WASTE

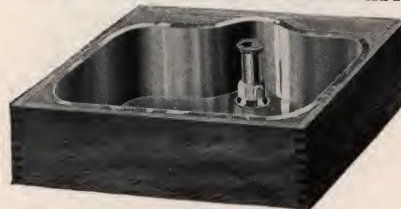


Fig. H-482

| Size | inches | 12x18 | 12x20 | 14x16 | 14x20 | 14x24 | 16x24 | 16x30 | 18x30 |
|-----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price, Square, Copper | each | 7.00 | 7.50 | 7.00 | 8.25 | 9.25 | 10.00 | 12.00 | 13.00 |
| " " German Silver | " | 14.00 | 15.00 | 14.00 | 16.50 | 18.50 | 20.00 | 24.00 | 26.00 |
| " Recess, Copper ..... | " | ..... | ..... | ..... | 15.00 | 16.00 | 17.50 | 19.50 | 21.00 |
| " " German Silver ..... | " | ..... | ..... | ..... | 26.50 | 29.00 | 31.50 | 34.50 | 36.50 |

If waste is wanted silver-plated, add 2.00.

WITH BACK AND GROOVED WOODEN DRAIN BOARD



Fig. H-483

Oval or square sinks fitted up with one or two drain boards, back, end pieces or for recess in any size required, covered with copper or German silver. When ordering, give outside measurements, length, width, height of back, length of drain board, size and style of sink. Prices on application.

PORCELAIN SLOP SINKS

WITH INTEGRAL BACK



Fig. H-484

ALL ROLL RIM

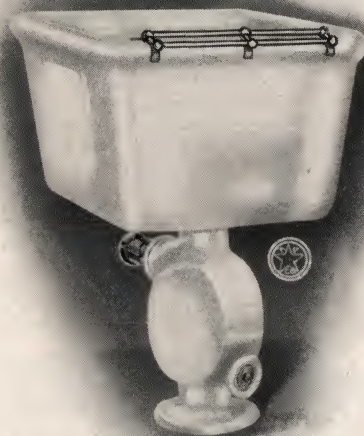


Fig. H-485

WITH INTEGRAL BACK

Porcelain Slop Sink with 12-inch Integral Back, Vitreous China Pedestal Trap, Nickel-plated Compression Bibbs and Nickel-plated Strainer.

| | | | | |
|--|--------|----------|----------|----------|
| Size | inches | 18x20x12 | 20x22x12 | 22x24x12 |
| Price, as described, Class A | | 36.65 | 41.65 | 46.65 |
| " " " " B | | 30.35 | 33.85 | 37.35 |
| If with Vented Iron Trap, Enameled Inside, Painted White Outside, deduct | | | | 1.35 |
| " " " " " only, deduct | | | | 2.35 |
| " " Vent and Vent Coupling on Vitreous China Trap, add | | | | 2.75 |
| " " without Bibbs, deduct, per pair | | | | 2.80 |

ALL ROLL RIM

Porcelain All Roll Rim Slop Sink on Iron Pedestal Trap, Enameled Inside Painted White Outside, with Vent and Trap Screw, Nickel-plated Strainer and Nickel-plated Pail Guard

| | | | | |
|--|--------|----------|----------|----------|
| Size | inches | 16x20x12 | 18x22x12 | 20x24x12 |
| Price, as described, Class A | | 39.00 | 43.00 | 47.00 |
| " " " " B | | 34.80 | 37.60 | 40.40 |
| If with Vitreous China Trap, add: With Vent, 4.10; without Vent | | | | 1.35 |
| " without Pail Guard, deduct | | | | 13.50 |

ENAMELED IRON SLOP SINKS

ROLL RIM, WITH INTEGRAL BACK

FLAT RIM, WITH SEPARATE BACK



Fig. H-486



Fig. H-487

FIG. H-486

Enameled Iron Roll Rim Slop Sink with 14-inch Enameled Back in one piece, Enameled Adjustable Trap Standard, N. P. Brass Strainer, Cleanout Plug and Nickel-plated Compression Bibbs with China Indexes.

| | | | |
|--|----------|----------|----------|
| Sizes | 16x20x12 | 18x22x12 | 20x24x12 |
| Price, Enameled Inside, as described | 24.00 | 26.70 | 29.30 |
| “ “ “ less Bibbs | 19.20 | 21.90 | 24.50 |
| If Enameled All Over, add | 6.00 | 6.00 | 6.70 |

FIG. H-487

Enameled Iron Flat Rim Slop Sink with 12-inch Separate Back, Enameled Adjustable Trap Standard, with N. P. Brass Strainer, Cleanout Plug and Nickel-plated Fuller Bibbs.

| | | | |
|--|----------|----------|----------|
| Sizes | 16x20x12 | 18x22x12 | 20x24x12 |
| Price, Enameled Inside, as described | 21.40 | 23.70 | 25.70 |
| “ “ “ less Bibbs | 16.60 | 18.90 | 20.90 |
| If Enameled All Over, add | 5.90 | 6.00 | 6.60 |

ENAMELED IRON SLOP SINKS



Fig. H-488

Enameled Iron Roll Rim Slop Sink with Enameled Iron Adjustable Trap Standard with Outlet Threaded for 2-inch Iron Pipe, Nickel-plated Brass Cleanout Plug and Strainer, with Nickel-plated Fuller Supply Fitting with Support and Pail Hook.

| | |
|-------------------------------|----------|
| Size.....inches | 16x20x12 |
| Price, Enameled All Over..... | 37.20 |
| “ “ Inside only.... | 31.20 |
| “ “ All Over, with- | |
| out Supply Fitting..... | 23.20 |
| “ Enameled Inside only, | |
| without Supply Fitting.. | 17.20 |

These slop sinks may be furnished with other styles of trap standards at same price.

Enameled Iron Flat Rim Slop Sink, with Nickel-plated Open Brass Strainer with Iron Coupling and Collar for Lead Pipe Connection.

| | | |
|--------------------------|----------|----------|
| Size .....inches | 16x16x10 | 16x20x12 |
| Price, Enameled Inside . | 5.40 | 7.20 |
| Size .....inches | 18x22x12 | 20x24x12 |
| Price, Enameled Inside . | 7.80 | 8.70 |

16x16x10-inch has center outlet; balance, end outlet.



Fig. H-489

PORCELAIN LAUNDRY TRAYS

WITH INTEGRAL BACK

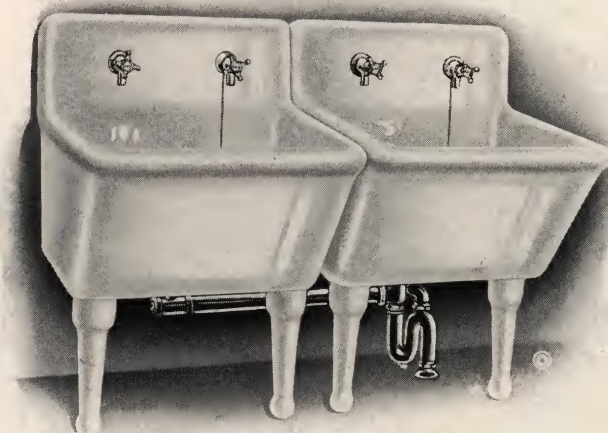


Fig. H-490

Porcelain Laundry Trays with Integral Backs, set on Porcelain Legs, with Wall Straps, Fitted with Nickel-plated Compression Faucets, Nickel-plated Brass Waste Plugs and Couplings, Nickel-plated Continuous Waste and Trap with Vent to Wall.

Tray Outside, 26x26 inches.

Depth Inside, 14½ inches.

Tray Outside, 29x26 inches.

Depth Inside, 14½ inches.

| | | | |
|--|--------|-------|--------|
| Size..... | inches | 26x26 | 29x26 |
| Price, as described, Set of Two, Class A | | 99.90 | 107.90 |
| " " " " " " " " B | | 75.30 | 80.90 |
| " " " " " " " " "Continental" or "Buff" Ware.... | | 67.90 | 71.90 |
| " Tray only, with Legs and Wall Supports, Class A, each..... | | 41.00 | *45.00 |
| " " " " " " " " " " B, " | | 28.70 | 31.50 |
| " " " " " " " " " " "Continental" or "Buff" Ware | | 25.00 | 27.00 |
| Price, Waste, Trap, Plugs and Couplings for Two Trays..... | | 12.40 | |
| " Bibbs, per pair..... | | 2.75 | |
| If with Painted or Bronzed Iron Legs, deduct, per pair, from Class A | | 6.00 | |
| " " " " " " " " " " " " " " B | | 3.30 | |

"Continental" or "Buff" Ware is solid porcelain with the glaze applied directly on the body and not after an application of ground vitreous china, which gives this material its white color. Although not as attractive a color as the pure white, the "Buff" Ware is very serviceable and will not readily show dirt.

PORCELAIN LAUNDRY TRAYS

ALL ROLL RIM

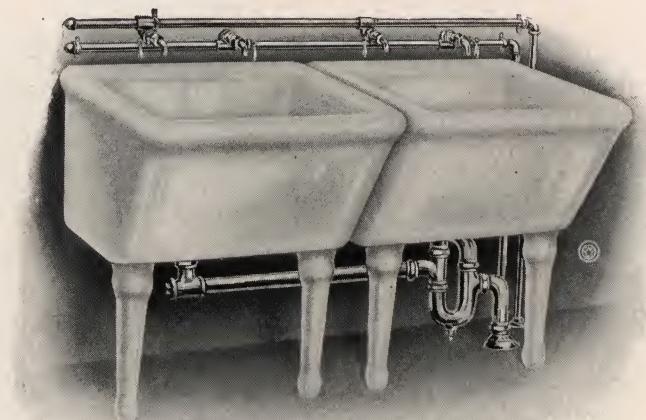


Fig. H-491

Porcelain Laundry Trays, all Roll Rim, set on Porcelain Legs with Wall Straps, fitted with Nickel-plated Fuller Faucets, Nickel-plated Brass Waste Plugs and Couplings, Nickel-plated Continuous Waste and Trap with Vent to Wall.

| | | | | |
|--|---------------------------|-------|-------|-------|
| Tray Outside, 24x24 inches. | Depth Inside, 14½ inches. | | | |
| Tray Outside, 24x26 inches. | Depth Inside, 14½ inches. | | | |
| Tray Outside, 25x29 inches. | Depth Inside, 14½ inches. | | | |
| Size | inches | 24x24 | 24x26 | 25x29 |
| Price, as described, Set of Two, Class A | | 78.00 | 80.00 | 82.00 |
| “ “ “ “ “ “ “ “ B | | 61.20 | 62.60 | 64.00 |
| “ “ “ “ “ “ “ “ “Continental” or “Buff” Ware | | 56.00 | 57.00 | 58.00 |
| “ Tray only, with Legs and Wall Supports, Class A, each | | 28.00 | 29.00 | 30.00 |
| “ “ “ “ “ “ “ “ “ B, “ | | 19.60 | 20.30 | 21.00 |
| “ “ “ “ “ “ “ “ “ “Continental” | | | | |
| or “Buff” Ware, each | | 17.00 | 17.50 | 18.00 |
| Price, Waste and Trap, for Two Trays | | | | 10.00 |
| “ Plugs and Couplings, for each Tray | | | | 1.20 |
| “ Faucets, per pair | | | | 4.80 |
| If with Painted or Bronzed Iron Legs, deduct, per pair, from Class A | | | | 6.00 |
| “ “ “ “ “ “ “ “ “ “ “ B | | | | 3.30 |

Supply Pipes, extra.

"Continental" or "Buff" Ware is solid porcelain with the glaze applied directly on the body and not after an application of ground vitreous china, which gives this material its white color. Although not as attractive a color as the pure white, the "Buff" Ware is very serviceable and will not readily show dirt.

ENAMELED IRON LAUNDRY TRAYS

ROLL RIM—ONE PIECE

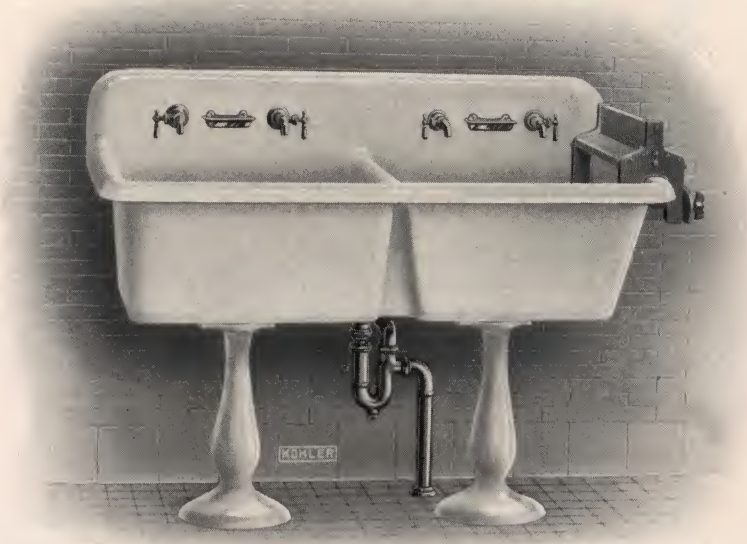


Fig. H-492

Enameled Iron Roll Rim Duplex One-Piece Laundry Tray, Enameled Iron Pedestals, Nickel-plated $\frac{5}{8}$ -inch Fuller Bibbs, $1\frac{1}{2}$ -inch Two-Branch Special Waste with $1\frac{1}{2}$ -inch Vented "S" Trap, Enameled Iron Soap Cups and Wooden Wringer Holder and Nickel-plated Waste Plugs with Rubber Stoppers.

Front to Back: Inside, $21\frac{1}{4}$ inches; Outside, $26\frac{5}{8}$ inches. Depth, Inside, $14\frac{1}{4}$ inches.
Length Over All, Two Sections, $52\frac{3}{4}$ inches. Length, each Section, 23 inches.
Height of Back, 8 inches. Floor to Top of Rim, 34 inches.

| | |
|---|-------|
| Price, as described, Enameled All Over..... | 86.10 |
| " with Soap Cups and Waste Plugs only, Enameled All Over..... | 64.00 |
| " as described, Enameled Inside..... | 70.10 |
| " with Soap Cups and Waste Plugs only, Enameled Inside..... | 48.00 |

If wanted drilled for overflow specify when ordering.

ENAMELED IRON LAUNDRY TRAY AND SINK COMBINATIONS

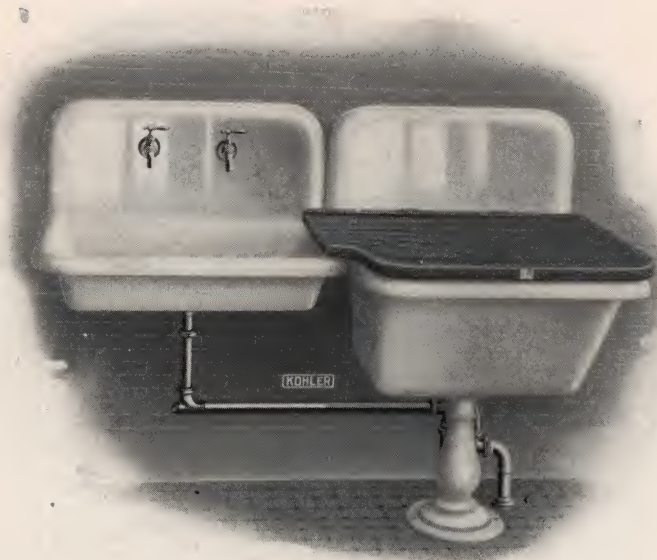


Fig. H-493

Enameled Iron Roll Rim Sink and Laundry Tray Combination with Integral Backs and Ash Combination Drain Board and Cover. Sink on Concealed Hangers, fitted with Nickel-plated Strainer and Fuller Bibbs. Laundry Tray on Enameled Iron Standard and fitted with Enameled Iron Soap Cup, Nickel-plated Waste Plug with Rubber Stopper and Compression Bibbs. Combination fitted with $1\frac{1}{2}$ -inch Nickel-plated Continuous Waste and Vented "S" Trap and Wooden Wringer Holder.

Sink can be fitted on either side of tray.

Sink: Outside, 20x30 inches; Inside, $15\frac{3}{4}$ x26 inches. Depth, 6 inches.

Tray: Outside, $26\frac{3}{4}$ x $27\frac{1}{2}$ inches; Inside, $22\frac{1}{2}$ x $22\frac{3}{4}$ inches. Depth, $14\frac{1}{4}$ inches.

Backs, 12 inches. Floor to Top of Rim, 34 inches.

Length Over All, allowing $\frac{1}{2}$ -inch space between Sink and Tray, 59 inches.

| | |
|---|-------|
| Price, as described, Enameled All Over | 79.70 |
| " with Soap Cup and Waste Plugs only, Enameled All Over | 56.70 |
| " as described, Enameled Inside..... | 61.60 |
| " with Soap Cup and Waste Plugs only, Enameled Inside | 38.60 |

If ordered, laundry tray can be furnished drilled for overflow.

The dimensions given above are for combination with 20x30-inch sink. Can be furnished with all other 20-inch and 22-inch wide roll rim sinks.

ENAMELED IRON LAUNDRY TRAYS

ROLL RIM



Fig. H-494

Enameled Iron Roll Rim Laundry Trays with Integral Backs, Iron Pedestals, Nickel-plated Soap Dishes, Wood Wringer Holder, Waste Plugs and Couplings, Nickel-plated Fuller Adjustable Flanged Bibbs, Continuous Waste and "S" Trap with Vent.

Width Inside, $22\frac{1}{2}$ inches.

Length Inside, $22\frac{3}{4}$ inches.

Width over Rim, $26\frac{3}{4}$ inches.

Length over Rim, $27\frac{1}{2}$ inches.

Depth Inside, $14\frac{1}{4}$ inches.

Back, 14 inches.

| | One- Section | Two- Section | Three- Section |
|--|-----------------|-----------------|-------------------|
| Price, as described, Enameled Inside ..... | ..... | 70.30 | 110.00 |
| " less Bibbs, Waste and Trap..... | 27.50 | 49.80 | 74.70 |
| If Enameled All Over, add..... | 13.70 | 27.40 | 41.10 |
| Add for Ball Bearing Wringer..... | | 8.00 | |

ENAMELED IRON LAUNDRY TRAYS

FLAT RIM

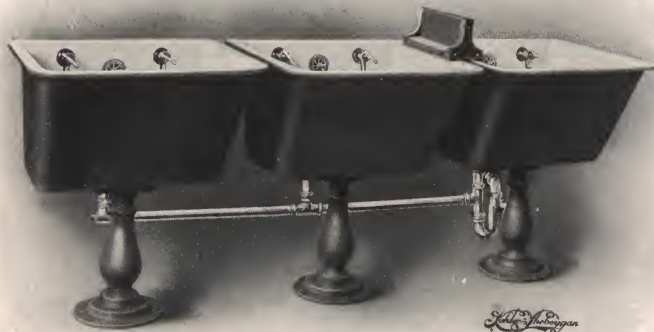


Fig. H-495

Enameled Iron Flat Rim Laundry Trays, Painted Iron Pedestals, Nickel-plated Brass Soap Dishes, Wood Wringer Holder, Waste Plugs and Couplings, Nickel-plated Compression Wash Tray Bibbs, Nickel-plated Brass Continuous Waste and Vented "S" Trap.

Front to Back, over Rim, 26 inches. Length over Rim, 26 inches.
 Front to Back, Inside, $21\frac{3}{4}$ inches. Length Inside, 23 inches.
 Depth Inside, $14\frac{1}{4}$ inches.

| | One- Section | Two- Section | Three- Section |
|--|-----------------|-----------------|-------------------|
| Price, as described, Enameled Inside ..... | ..... | 46.60 | 66.30 |
| " less Waste, Bibbs and Trap | 13.30 | 26.60 | 39.90 |

If wanted drilled for overflow, specify in ordering.

GRANITINE LAUNDRY TRAYS



Fig. H-496

These trays are made by a process of cement waterproofing of Portland cement and crushed granite stone. The cement waterproofing presents a superior slate color and a very smooth surface. They are made in one piece with rounded inside corners, without seams or joints, thus rendered sanitary and easy to keep clean. Twin waste connection is furnished for two-part trays.

TWO-PART, WITH 6-INCH BACK

| No. | Length Inches | Width Inches | Depth Inches | Price Each |
|-----|------------------|-----------------|-----------------|---------------|
| 106 | 48 | 24 | 16 | 14.00 |
| 107 | 54 | 24 | 16 | 16.50 |
| 108 | 60 | 24 | 16 | 18.00 |

THREE-PART, WITH 6-INCH BACK

| | | | | |
|-----|----|----|----|-------|
| 110 | 72 | 24 | 16 | 22.00 |
| 111 | 80 | 24 | 16 | 25.00 |
| 112 | 90 | 24 | 16 | 27.00 |

ONE-PART, WITHOUT BACK

| | | | | |
|---|----|----|----|------|
| 2 | 25 | 24 | 16 | 6.00 |
| 3 | 27 | 24 | 16 | 6.50 |
| 4 | 31 | 24 | 16 | 7.00 |

TWO-PART, WITHOUT BACK

| | | | | |
|---|----|----|----|-------|
| 6 | 48 | 24 | 16 | 10.00 |
| 7 | 54 | 24 | 16 | 11.50 |
| 8 | 60 | 24 | 16 | 12.00 |

THREE-PART, WITHOUT BACK

| | | | | |
|----|----|----|----|-------|
| 10 | 72 | 24 | 16 | 16.00 |
| 11 | 80 | 24 | 16 | 18.00 |
| 12 | 90 | 24 | 16 | 19.00 |

Prices include metallic rim, twin waste connection, rubber plugs, metallic wringer guards. Legs extra, per pair: Painted, 1.00; galvanized, 1.50.

GRANITINE LAUNDRY TRAYS

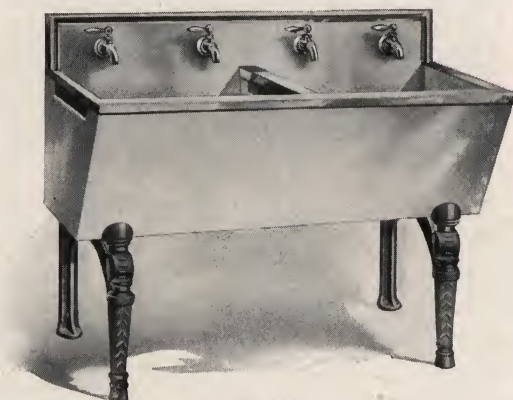


Fig. H-497

These trays are made of a snow-white granitine composition, cast in one solid piece with rounded inside corners, without joints or seams, affording no place for germs to settle, thus making it sanitary in every respect. Twin waste connection is furnished for two-part trays.

TWO-PART, WITH 6-INCH BACK

| No. | Length Inches | Width Inches | Depth Inches | Price Each |
|-----|------------------|-----------------|-----------------|---------------|
| 116 | 48 | 24 | 16 | 15.00 |
| 117 | 54 | 24 | 16 | 17.50 |
| 118 | 60 | 24 | 16 | 19.00 |

THREE-PART, WITH 6-INCH BACK

| | | | | |
|-----|----|----|----|-------|
| 120 | 72 | 24 | 16 | 25.00 |
| 121 | 80 | 24 | 16 | 28.00 |
| 122 | 90 | 24 | 16 | 32.00 |

TWO-PART, WITHOUT BACK

| | | | | |
|----|----|----|----|-------|
| 16 | 48 | 24 | 16 | 13.00 |
| 17 | 54 | 24 | 16 | 14.50 |
| 18 | 60 | 24 | 16 | 16.00 |

THREE-PART, WITHOUT BACK

| | | | | |
|----|----|----|----|-------|
| 20 | 72 | 24 | 16 | 20.50 |
| 21 | 80 | 24 | 16 | 23.00 |
| 22 | 90 | 24 | 16 | 29.00 |

Prices include metallic rim, twin waste connection, rubber plugs and metallic wringer guards. Legs extra, per pair: Painted, 1.00; galvanized, 1.50.

EUCLID



Fig. H-498

Euclid Natural Stone Laundry Tray with Perfection Adjustable Painted Iron
Stands, 1/2-inch Polished Brass Compression Wash Tray Bibbs, Waste Plugs and Couplings.

| | | | | | | | | | | | |
|---|-----------|----------------|-------|---|-------|---|---|-------|---|-----------------|----------------------|
| | | | | | | | | | | Without Back | With 12-inch Back |
| Price, as described, | Two-Part, | 48 inches Long | ..... |  |  |  |  |  |  | 28.00 | 33.50 |
| " " " | " | 54 | " | " | ..... |  |  |  |  | 29.00 | 35.75 |
| " " " | Three | 72 | " | " | ..... |  |  |  |  | 43.00 | 46.75 |
| " " " | " | 78 | " | " | ..... |  |  |  |  | 46.75 | 50.50 |
| " " " | " | 84 | " | " | ..... |  |  |  |  | 50.00 | 55.00 |
| | | | | | | | | | | | |
| If with Galvanized Standards instead of Painted, for Two-Part, add | | | | | | | | | | | 1.70 |
| " " " | " | " | " | " | " | " | " | Three | " | .... | 2.55 |

“ALBERENE” STONE LAUNDRY TRAYS

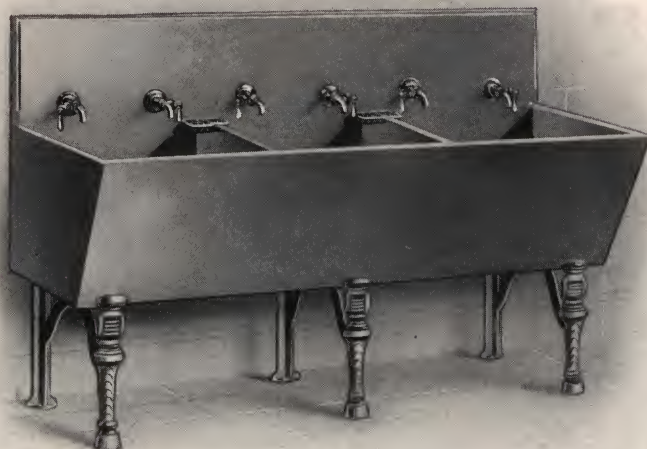


Fig. H-499

| Number of Compart- ments | DIMENSIONS, INCHES | | | WITHOUT BACK Price Tray only with Soap Cup | WITH BACK | | | |
|--------------------------------|--------------------|-------|-------|---|---------------------------------|-----------------|-----------------|-----------------|
| | Length | Width | Depth | | PRICE, TRAY ONLY, WITH SOAP CUP | | | |
| | | | | | 6-inch Back | 12-inch Back | 14-inch Back | 16-inch Back |
| 1 | 24 | 24 | 16 | 10.25 | ..... | 11.50 | ..... | 12.50 |
| 1 | 30 | 24 | 16 | 11.75 | ..... | 13.50 | ..... | 14.50 |
| 1 | 36 | 24 | 16 | 13.25 | ..... | 15.50 | ..... | 16.50 |
| 2 | 48 | 24 | 16 | 14.40 | 16.00 | 18.00 | 18.75 | 19.50 |
| 2 | 54 | 24 | 16 | 18.90 | 20.50 | 22.50 | 23.25 | 24.00 |
| 2 | 60 | 24 | 16 | 22.70 | 25.00 | 27.25 | 28.00 | 28.75 |
| 3 | 72 | 24 | 16 | 28.00 | ..... | 34.00 | 35.00 | 36.00 |
| 3 | 78 | 24 | 16 | 33.00 | ..... | 39.00 | 40.00 | 41.00 |
| 3 | 84 | 24 | 16 | 36.00 | ..... | 42.00 | 43.50 | 45.00 |
| 3 | 90 | 24 | 16 | 42.00 | ..... | 49.50 | 51.00 | 52.50 |
| 3 | 96 | 24 | 16 | 62.00 | ..... | 70.00 | 71.50 | 73.00 |

For trays without soap cups, deduct 50 cents each.

All dimensions are outside measurements.

FITTINGS FOR STONE LAUNDRY TRAYS

To be added to above lists.

| | |
|--|-------|
| Price, 1½-inch Brass Plugs with Bolts.....each | .35 |
| “ 1½ “ “ “ Locknut and Coupling..... “ | .80 |
| “ Painted Iron Legs..... “ | .70 |
| “ Galvanized Iron Legs..... “ | 1.40 |
| “ Polished Brass Rim for Two-Part Trays..... “ | 8.00 |
| “ “ “ “ “ Three “ “..... “ | 11.50 |

Covers extra at special prices.

FITTINGS FOR LAUNDRY TRAYS AND SINKS

SOAP DISHES

FOR LAUNDRY TRAYS



Fig. H-500

FOR LEFT-HAND END



Fig. H-501

FOR SINKS

FOR RIGHT-HAND END



Fig. H-502

| | | |
|------------------------------|------|-----|
| Price, Galvanized Iron | each | .50 |
|------------------------------|------|-----|

LAUNDRY TRAY PLUGS

WITH LOCKNUT AND COUPLING

PLAIN

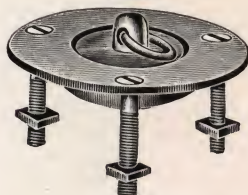


Fig. H-503

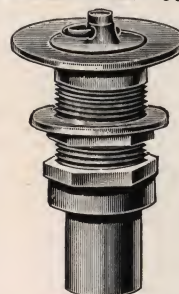


Fig. H-504

| | | |
|--|------|-----|
| Price, Plain, 1½-inch, Polished Brass | each | .35 |
| " with Locknut and Coupling, 1½-inch, Polished Brass | " | .80 |

LAUNDRY TRAY LEG

WOOD LAUNDRY TRAY COVER



Fig. H-505



Fig. H-506

WOOD LAUNDRY TRAY COVERS

| | | | | | | |
|---------------------------------------|------|----------|------|----------|----------|----------|
| Length..... | feet | 2 and 2½ | 4 | 4½ and 5 | 6 and 6½ | 7 and 7½ |
| Price, Paneled Hardwood, Stained..... | | 2.00 | 3.00 | 4.00 | 4.50 | 6.50 |
| " Solid Pine..... | | 2.50 | 4.00 | 5.00 | 6.00 | 8.00 |
| " Natural Oak, Varnished..... | | 3.00 | 5.00 | 6.00 | 7.50 | 9.00 |

LAUNDRY TRAY LEGS

| | | |
|---------------------------|------|------|
| Price, Painted Iron | each | .70 |
| " Galvanized Iron | " | 1.40 |

GALVANIZED RANGE BOILERS

STANDARD AND EXTRA HEAVY

Working Pressure Standard, up to 85 Pounds; Extra Heavy, up to 150 Pounds



Fig. H-507

VERTICAL

| Diameter Inside of Shell Inches | Length of Shell Feet | Price, Standard or Extra Heavy Horizontal or Vertical, Each |
|---------------------------------|----------------------|---|
| 10 | 3 | 12.50 |
| 12 | 3 | 14.50 |
| 12 | 3½ | 15.50 |
| 12 | 4 | 15.75 |
| 14 | 3 | 19.00 |
| 12 | 4½ | 18.50 |
| 14 | 3½ | 20.25 |
| 12 | 5 | 19.00 |
| 14 | 4 | 21.00 |
| 14 | 4½ | 21.50 |
| 14 | 5 | 24.00 |
| 16 | 4 | 26.00 |
| 16 | 4½ | 30.00 |
| 16 | 5 | 31.00 |
| 18 | 4 | 31.50 |
| 18 | 5 | 38.00 |
| 20 | 5 | 45.50 |
| 22 | 5 | 63.50 |
| 24 | 5 | 72.50 |
| 24 | 6 | 103.00 |
| 24 | 7 | 120.00 |
| 24 | 8 | 132.00 |

HORIZONTAL

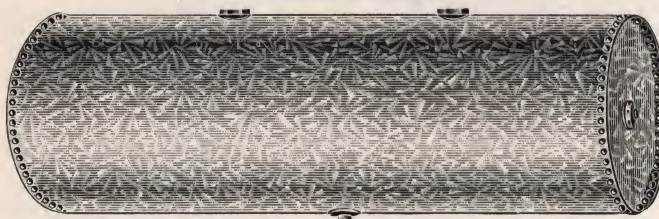


Fig. H-508

All boilers have spuds tapped for 1-inch iron pipe; for larger tappings an extra charge will be made as follows:

| | | | | | | | |
|------------------|--------|-----|-----|-----|------|------|------|
| Size | inches | 1¼ | 1½ | 2 | 2½ | 3 | 4 |
| Price, net | each | .25 | .25 | .50 | 1.00 | 1.50 | 2.00 |

Any special tappings made at extra charge. Unless otherwise specified on orders, we will ship standard weight boilers.

GALVANIZED RANGE BOILERS AND STANDS

GALVANIZED RANGE BOILERS

With 1-inch Steam Coil

HORIZONTAL, END INLET

VERTICAL



Fig. H-509

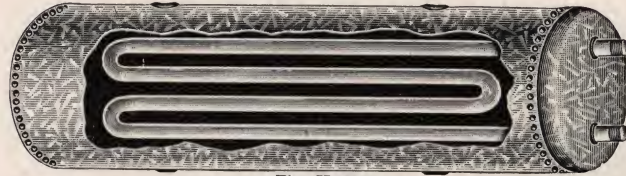


Fig. H-510

1-INCH COILS FOR RANGE BOILERS

| Diameter of Boiler... inches | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Price of Coil..... | 10.50 | 12.00 | 16.00 | 18.00 | 21.00 | 25.00 | 30.00 |

NOTE.—To obtain the price of a boiler with coil, add the price of coil to the regular price of boiler of corresponding diameter.

BOILER STANDS

HAWKS UNIVERSAL

REGULAR
21 INCHES HIGH



Fig. H-511



Fig. H-512

TRIPOD

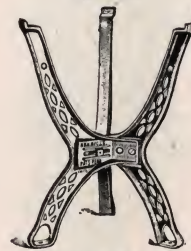


Fig. H-513

REGULAR

| Ring.....inches | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 | 22 | 24 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|
| Price, Plain.....each | 1.25 | 1.30 | 1.40 | 1.50 | 1.75 | 1.85 | 2.00 | 2.25 | 2.75 | 3.50 |
| Galvanized....." | 2.50 | 2.60 | 2.70 | 3.00 | 3.25 | 3.60 | 3.80 | 4.50 | 5.00 | 6.50 |

Extension pieces to raise regular stands to 30 inches, add to list: Plain, 50 cents; galvanized, 75 cents.

HAWKS UNIVERSAL

This stand will fit any size or make of boiler. It is adjustable to any height by use of 1¼-inch pipe cut to length desired.

| Price.....each | .65 |
|----------------|-----|
|----------------|-----|

TRIPOD

| Number | 1 | 2 | 3 |
|--------------------------|----------|----------|-----------|
| For Boilers .....gallons | 30 to 40 | 52 to 66 | 82 to 120 |
| Price, Plain.....each | 1.25 | 2.00 | 2.75 |
| " Galvanized....." | 2.00 | 3.00 | 4.00 |

"SUPERIOR" COMBINATION RANGE BOILERS AND GAS WATER HEATERS

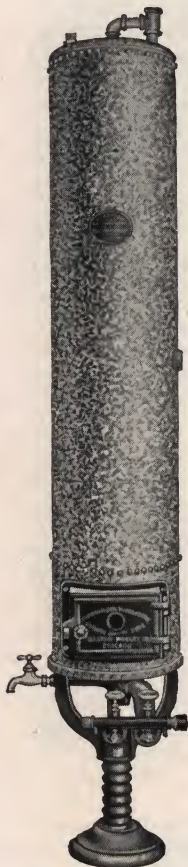


Fig. H-514

The "Superior" is a range boiler and gas water heater in combination.

It marks the first real advancement that has been made in years in gas water heater construction.

The "Superior" is equipped with large fire door and burners are always in clear view of operator. Operates without the dangerous pilot light.

The "Superior" by proven test is one of the quickest and most economical gas water heaters on the market.

It is provided with spud on the side and can be connected with range or furnace if desired.

The "Superior" soon pays for itself in the gas it saves.



Fig. H-515

| No. | SIZE OF SHELL | | Shipping Weight Pounds | Price Each | No. | SIZE OF SHELL | | Shipping Weight Pounds | Price Each |
|-----|---------------|-----------------|------------------------|------------|------|---------------|-----------------|------------------------|------------|
| | Length Feet | Diameter Inches | | | | Length Feet | Diameter Inches | | |
| A | 1½ | 12 | 80 | 27.00 | 5 | 5 | 16 | 197 | 45.00 |
| B | 2 | 12 | 87 | 28.00 | 6 | 5 | 18 | 300 | 60.00 |
| C | 2½ | 12 | 94 | 29.00 | 7 | 5 | 20 | 325 | 95.00 |
| 1 | 3 | 12 | 109 | 30.00 | 8 | 5 | 22 | 355 | 110.00 |
| 2 | 4 | 12 | 130 | 31.00 | 9 | 5 | 24 | 400 | 130.00 |
| 3 | 5 | 12 | 145 | 32.00 | 10 | 6 | 24 | 440 | 150.00 |
| 4 | 5 | 14 | 163 | 35.00 | .... | .... | .... | .... | ..... |

"ROYAL" COMBINATION RANGE BOILERS AND WATER HEATERS

FOR GAS AND GASOLINE

The "Royal" is designed to take the place of the old-fashioned method of attaching an independent heater to the side of a range boiler.

It is neat in appearance, very efficient and economical in the consumption of gas.

The "Royal" water spreader is galvanized inside and outside and so constructed that all flat surfaces, pockets and dead ends are eliminated. This insures perfect circulation and freedom from liming up, and keeps the water at all times clean, fresh and pure, fit for cooking and drinking purposes.

It is furnished with fire door, which opens directly upon the burner, and also provided with spud on side so connection can be made to range or furnace.

The "Royal" Automatic Heater is equipped with thermostatic valve, which can be adjusted to automatically open and close the supply of gas to burner at temperature desired.



Fig. H-516



Fig. H-517

| No. | SIZE OF SHELL | | Shipping Weight for Gas Pounds | PRICE, EACH | | |
|-----|----------------|--------------------|---|-------------|----------------------|-----------------|
| | Length Feet | Diameter Inches | | For Gas | Automatic for Gas | For Gasoline |
| 6 | 1½ | 12 | 72 | 24.50 | ..... | 39.50 |
| 9 | 2 | 12 | 80 | 25.00 | ..... | 40.00 |
| 12 | 2½ | 12 | 90 | 25.50 | ..... | 40.50 |
| 18 | 3 | 12 | 100 | 26.00 | 41.00 | 41.00 |
| 24 | 4 | 12 | 120 | 26.50 | 41.50 | 41.50 |
| 30 | 5 | 12 | 140 | 27.00 | 42.00 | 42.00 |
| 40 | 5 | 14 | 150 | 30.00 | 45.00 | 45.00 |

HUMPHREY INSTANTANEOUS BATH WATER HEATERS

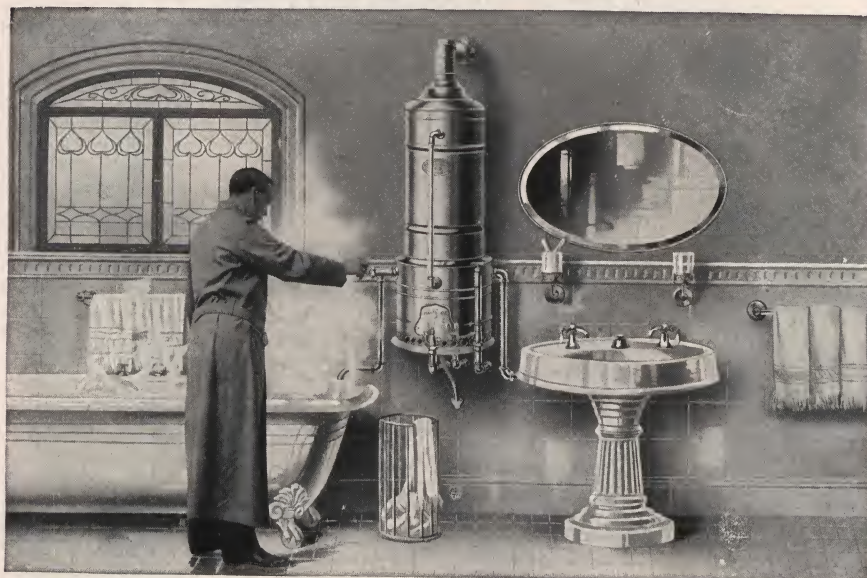


Fig. H-518

A new and exclusive feature of these heaters is the improved pilot lock. This is a part of the gas valve and makes it impossible to turn on the gas to the main burner without first turning on gas to the pilot, making a gas explosion impossible. Any kind of gas except acetylene can be used.

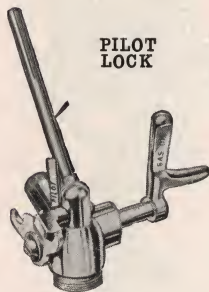


Fig. H-519

| Number | Diameter Inches | Height Inches | Gas Supply from Meter Inches | Gallons Heated per Min. to 50° Temperature | *Price Nickel Plated Each |
|--------|------------------|------------------|------------------------------|--|---------------------------|
| 2 | 12 | 34 $\frac{7}{8}$ | $\frac{3}{4}$ | 2 $\frac{1}{2}$ | 40.00 |
| **10 | 12 | 34 $\frac{7}{8}$ | $\frac{3}{4}$ | 2 $\frac{1}{2}$ to 3 | 52.00 |
| †6 | 12 | 29 $\frac{1}{2}$ | $\frac{3}{4}$ | 3 | 29.00 |
| †8 | 10 $\frac{1}{4}$ | 28 $\frac{1}{2}$ | $\frac{1}{2}$ | 2 $\frac{1}{4}$ | 23.50 |

* Prices include safety valves and unions, safety pilot lock, one bent outlet spout, white enameled steel shelf and nickel plated brackets, but no fittings.

** The number 10 differs from the number 2 only in that the water surfaces are closed at the top and it is fitted with shower attachment. This heater will not stand water pressure.

† Nos. 6 and 8 are contact heaters; the heated gases come in contact with the water.

VENTILATING PIPE AND FITTINGS

| | | |
|--|----------|------|
| Price, 3 $\frac{1}{2}$ -inch Copper Vent Pipe, Nickel Plated | per foot | .60 |
| " 3 $\frac{1}{2}$ " " Extension Thimbles, Nickel Plated | each | 1.05 |
| " 3 $\frac{1}{2}$ " " Adjustable Elbows | " | .90 |
| " 3 $\frac{1}{2}$ " " Vent Pipe Collars | " | .35 |
| " Galvanized Iron Vent Hoods. | " | 1.50 |

HUMPHREY AUTOMATIC GAS WATER HEATERS



Fig. H-520

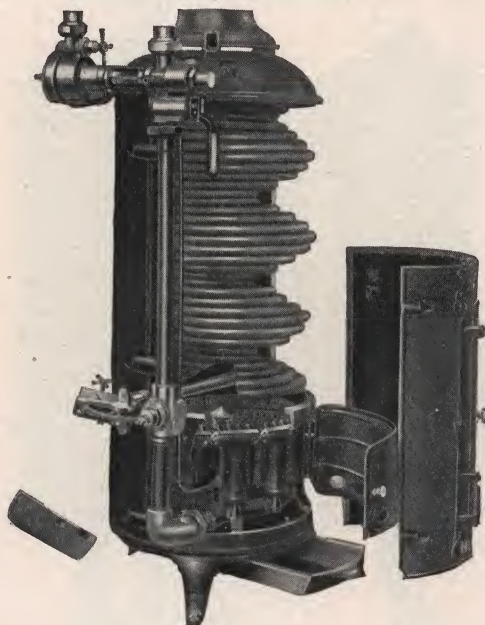


Fig. H-521

These heaters are equipped with an automatically controlled pilot light and an internal thermostat located in the fire zone where its action is positive under all conditions. The automatic valve is placed at the top where all parts are readily accessible.

The lower section of copper coil is removable for cleaning.

Both water and gas are perfectly controlled at all times.

The heavy, seamless copper coils are guaranteed to stand a working pressure of 300 pounds.

| No. | Diameter Inches | Height Inches | Gas Supply from Meter Inches | Water Heated per Minute to 63° Temp. Gallons | Gas Consumed per Minute Cubic Feet | Size of Gas Meter Lights | Shipping Weight Pounds | Price Each |
|-----|--------------------|------------------|---------------------------------------|---|---|--------------------------------|------------------------------|---------------|
| 3A | 14 | 40 | 1 | 3 | 3 | 20 | 300 | 105.00 |
| 4A | 16 | 45 | 1 | 4 | 4 | 30 | 325 | 125.00 |
| 6A | 22 | 48 | 1½ | 6 | 6 | 45 | 375 | 160.00 |
| 8A | 28 | 50 | 2 | 8 | 8 | 60 | 450 | 200.00 |

Prices are for goods delivered F. O. B. destination.

Prices do not include plumbing connections.

These heaters differ in size only.

No. 3A is suitable for one bath room, kitchen and laundry.

No. 4A is suitable for two bath rooms, kitchen and laundry.

No. 6A is suitable for two or three bath rooms, kitchen, laundry and additional lavatories.

No. 8A is suitable for three bath rooms, several extra lavatories, kitchen and laundry.

COPPER COIL WATER HEATERS

"GARLAND" WATER HEATER

HUMPHREY TANK WATER HEATERS

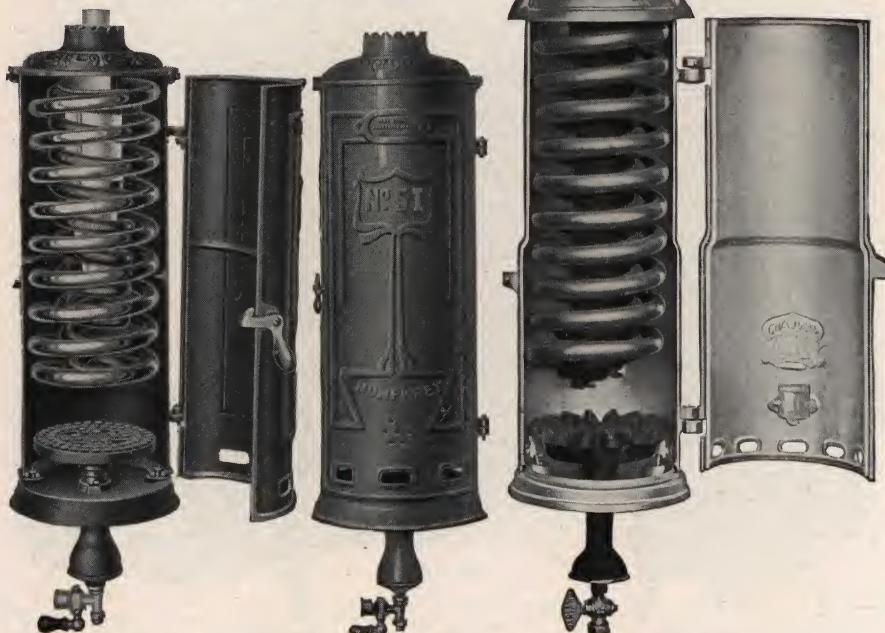


Fig. H-522

Fig. H-523

Fig. H-524

HUMPHREY TANK WATER HEATERS

The burner and sensitive heating coil are contained in a heavy iron jacket, handsomely finished in durable black enamel, baked under intense heat. The burner is arranged to lift out for occasional cleaning. Every Humphrey Heater is carefully inspected and rigidly tested. Both workmanship and material are thoroughly guaranteed. The larger size is recommended as better for all general demands.

| | | |
|---------------------------|------------------|------------------|
| Number..... | 5 | 5-1 |
| Length of Coil.....inches | 20 | 25 |
| Height....." | 22 $\frac{7}{8}$ | 22 $\frac{7}{8}$ |
| Width....." | 7 | 7 |
| Price.....each | 18.00 | 20.00 |

"GARLAND" COPPER COIL WATER HEATERS

The coils in this heater are made of seamless $\frac{3}{4}$ -inch copper tubing with brazed fittings. A deflecting tube extends through center of coils, conserving heat by retaining it within the casings. The casing is of aluminized cast iron, and is easily removed. The giant star burner is lighted directly by opening door, which is equipped with "Garland" non-positive catch, eliminating every element of danger.

| | | |
|-------------------------------------|--------|--------|
| Number..... | 10 | 7 |
| Description..... | Double | Single |
| Height.....inches | 25 | 25 |
| Width....." | 7 | 5 |
| Consumption of Gas, 1 hour.....feet | 55 | 45 |
| Price.....each | 15.00 | 10.50 |

IDEAL WATER HEATERS

IDEAL TRIPLEX

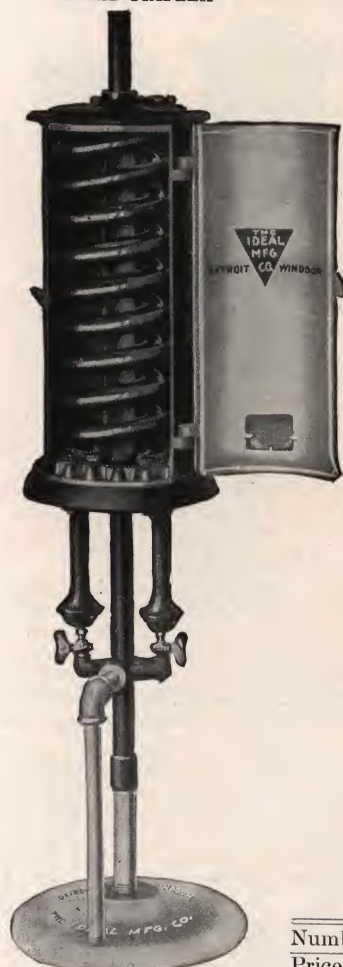


Fig. H-525

IDEAL DISC



Fig. H-526

IDEAL TRIPLEX

| | | |
|----------------|-------|-------|
| Number | 15 | 17 |
| Price.....each | 17.00 | 20.00 |

No. 15 Heater is for ordinary size range boilers and No. 17 is for larger boilers. These Heaters have double coils of seamless copper tubing encased in a cast iron jacket. The circulator around which the coils are wound is a cast brass hollow chamber which acts as a baffle plate, by throwing additional heat to the coils.

IDEAL DISC

| | | |
|---|-------|-----------|
| Number..... | 11 | 13 |
| For Range Boilers.....gallons | 30 | 40 to 100 |
| Price with Plain Cast Iron Discs.....each | 11.00 | 13.00 |
| “ “ Galvanized Iron Discs.....“ | 14.00 | 17.00 |
| “ “ Brass Discs.....“ | 15.00 | 19.00 |

The Ideal Disc Heater is a most efficient and economical heater with a powerful burner made in two half-round sections.

In ordering state if natural or artificial gas is to be used.

LAWSON WATER HEATERS

CAST IRON JACKET TRIPLE COIL

DOUBLE COIL

SINGLE COIL

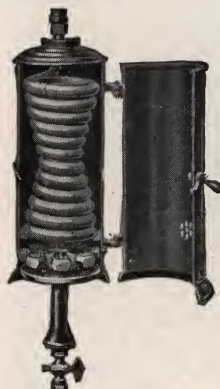


Fig. H-527

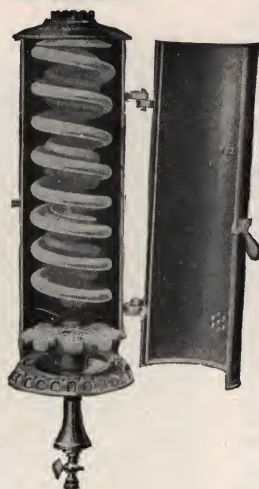


Fig. H-528

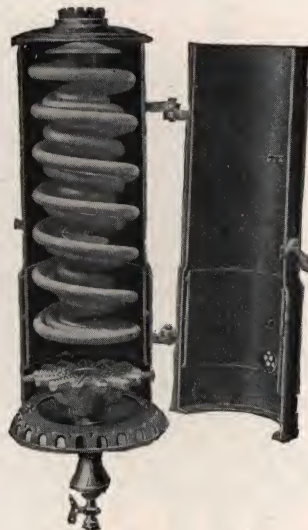


Fig. H-529

THERMOSTATIC
VALVE

Fig. H-530

Construction of the most durable type, cast iron jacket, top and base, all black japan finish. Specially constructed, high power star burner, cast iron deflectors, heavy brass tee handle cock. The double coil heater has one coil set within the other, increasing the heating surface and heating capacity, giving hot water practically on the instant. The triple coil heater is for big requirements, adapted for large dwellings, apartments, etc. $\frac{3}{4}$ -inch tube.

The use of the thermostatic valve with these heaters is earnestly recommended. It may be set for any predetermined degree of heat desired. While the temperature of the water is below this mark the valve is open full and the gas burns to full capacity, and gradually, as the temperature rises to the desired point, the valve closes and keeps only a flame sufficient to keep the temperature at this point.

| Style..... | SINGLE COIL | | | | DOUBLE COIL | | TRIPLE COIL |
|-------------------|-------------|------|-------|-------|-------------|-------|-------------|
| Number..... | 5 | 6 | 7 | 8 | 20 | 22 | 24 |
| Height.....inches | 15 | 17 | 19 | 21 | 20 | 24 | 28 |
| Diameter....." | 7 | 7 | 7 | 7 | 7 | 7 | 8½ |
| Price.....each | 7.70 | 8.85 | 10.50 | 12.25 | 14.25 | 16.25 | 27.50 |

For range boilers as follows: Nos. 5 and 6, for 24, 30 or 32-gallon; No. 7, for 35 or 40-gallon; No. 8, for 50 or 60-gallon; Nos. 20 and 22, for 30, 35 or 40-gallon; No. 24, for 50 or 60-gallon. In ordering, state if for natural or manufactured gas.

THERMOSTATIC VALVES

| | |
|--|-------|
| Price, No. 4, without Temperature Indicator, $\frac{3}{8}$ -inch Connection.....each | 6.00 |
| " " 5, with " " $\frac{3}{8}$ " " " " " " " " " " | 7.00 |
| " " 6, " " " " $\frac{1}{2}$ " " " " " " " " " " | 7.00 |
| " " 7, " " " " $\frac{1}{2}$ " " " " " " " " " " | 16.00 |

In ordering, state if for natural or manufactured gas.

LAWSON WATER HEATERS

STEEL JACKET, SINGLE COIL

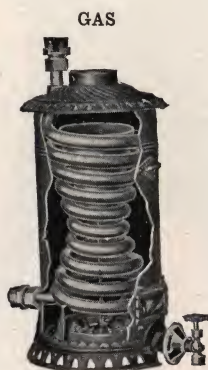


Fig. H-531



Fig. H-532

NATURAL OR ARTIFICIAL GAS

Jacket is polished steel, asbestos lined. Cast top and base, black japan finish. Copper coil with heavy brass unions. Cast iron deflectors. Cast iron burner (one piece, including mixer), nickel-plated cock for manufactured gas; needle valve for natural gas. $\frac{3}{4}$ -inch tube.

| Number..... | 0 | 1 | 1½ | 2 | 3 |
|--|--------------|--------------|--------------|----------|----------|
| Height | 12½ | 15 | 17½ | 20 | 23 |
| Diameter | 7½ | 7½ | 7½ | 7½ | 7½ |
| Size of Boilers Suitable for...gallons | 24, 30 or 32 | 24, 30 or 32 | 24, 30 or 32 | 35 or 40 | 50 or 60 |
| Price, with Steel Jacket.....each | 5.80 | 6.60 | 7.90 | 9.20 | 12.50 |

No. 0 furnished for natural gas only. No. 1 not recommended for artificial gas. In ordering, state whether for natural or manufactured gas.

GASOLINE

Gasoline heaters supply the means for heating water in localities where gas is not available. They are constructed similarly to the gas heater, except for the burner and attachments required for it. In efficiency they are equal to the gas heaters and guaranteed thoroughly reliable and dependable in all respects. $\frac{3}{4}$ -inch tube.

| Number..... | 1 | 2 |
|--|-------|-------|
| Height | 30 | 35 |
| Diameter | 7½ | 7½ |
| Size of Boilers Suitable for.....gallons | 30 | 40 |
| Price, with Steel Jacket | 32.00 | 38.00 |

TANK HEATERS AND LAUNDRY STOVES

STARK TANK HEATERS

No. 110



Fig. H-533



Fig. H-534

LAUNDRY HEATER
No. 1

Fig. H-535

STARK TANK HEATERS

These tank heaters have an extra deep corrugated fire pot. Above, and arched over the fire, are a series of flat drop tubes connected to the water chamber at the sides, and which add exceptional heating surface.

These tubes drain perfectly, and allow no sediment nor scale to lodge in them and cause them to burn out.

The waterways are thin, which permits of very rapid circulation.

The grate is rocking and dumping, of an improved design, adapted to the use of any kind of fuel.

Clinker doors are provided in the fire pot, thus avoiding the necessity of dumping the grate to clean the fire.

These heaters are very efficient and economical.

| No. | Height Inches | Diam. Inches | Diam. of Grate Inches | Size of Smoke Pipe Inches | No. and Size of Outlets Inches | Tank Capacity Gallons | Price Each |
|------|------------------|-----------------|-----------------------------|------------------------------------|---|-----------------------------|---------------|
| 107 | 32½ | 16 | 10 | 5 | 1—1½ | 100 | 34.00 |
| *108 | 37 | 16 | 10 | 5 | 1—1½ | 150 | 48.00 |
| 109 | 41 | 20 | 12 | 6 | 3—1½ | 225 | 57.00 |
| *110 | 46 | 20 | 12 | 6 | 3—1½ | 300 | 73.00 |

NICO LAUNDRY AND TANK HEATERS

This heater contains a fire door in front, permitting the addition of fuel without having to remove the lids, as is necessary with the ordinary tank heater.

| | | | | | | | |
|---|-----|----|----|---|------|----|-------|
| 1 | 24½ | 18 | 10 | 6 | 1—1¼ | 90 | 30.00 |
|---|-----|----|----|---|------|----|-------|

*These heaters have additional section as shown on No. 110. Size of top on No. 1, 21x25 inches.

AUXILIARY WATER HEATERS



Fig. H-536

GLOBE



Fig. H-537

| Number | 60 | 70 | 80 | 90 |
|---|-----------------|-----------------|-----------------|-----------------|
| Diameter | 6 | 7 | 8 | 9 |
| Capacity per Hour | 20 to 30 | 30 to 40 | 40 to 50 | 50 to 60 |
| Distance, Center to Center of Flow and Return | 3 $\frac{3}{4}$ | 4 $\frac{3}{4}$ | 5 $\frac{3}{4}$ | 6 $\frac{3}{4}$ |
| Price | 4.00 | 5.00 | 6.00 | 7.00 |

All sizes tapped for 1-inch pipe.

LITTLE GIANT

| Number | 0 | 1 | 2 | 3 |
|----------------------------------|------|-----------------|-----------------|-------|
| Capacity, Direct Radiation | 30 | 50 | 100 | 150 |
| Size of Connections | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 |
| Price | 6.00 | 7.50 | 9.00 | 12.00 |

Will heat from one to four rooms with radiators.

MALTESE



Fig. H-538

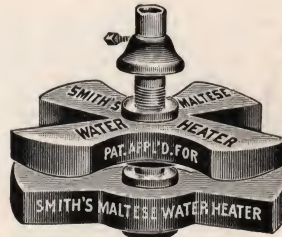


Fig. H-539

| Number | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
|--------------------------|-----------------|-----------------|------|-----------------|-------|-----------------|-------|-----------------|
| Capacity Radiation | 30 | 50 | 75 | 100 | 150 | 200 | 250 | 300 |
| For Heater | 30 | 50 | 75 | 100 | 175 | 225 | 300 | 350 |
| Height | 2 | 2 $\frac{1}{2}$ | 3 | 3 | 3 | 3 $\frac{1}{2}$ | 4 | 4 |
| Size of Tapping | 3 $\frac{3}{4}$ | *1 | 2 | 2 $\frac{1}{2}$ | 3 | 3 | 3 | 3 $\frac{1}{2}$ |
| Price, Full Size | 2.80 | 3.80 | 6.00 | 10.00 | 14.00 | 18.00 | 22.00 | 30.00 |
| " Three-Quarter Size .. | .... | 3.30 | 5.00 | 8.00 | 12.00 | 16.00 | 20.00 | 27.00 |

Full sizes are tapped top and bottom and can be bushed any size. When two or more are coupled together, the three-quarter size is used as bottom section and is tapped on top and middle arm. Can tap right or left arm if so ordered.

*No. 12 is also tapped for 1 $\frac{1}{4}$ -inch pipe. Necessary collars furnished.

WILKS STEEL WATER HEATERS

SMALL SIZE, NOT SELF-FEEDING



Fig. H-540

WITH MAGAZINE, SELF-FEEDING



Fig. H-541

| Size of Boiler Inches | Price Each | Heating Per Hour, Gals. | Height Over All, Inches | Size of Open- ings, Inches | Size of Smoke Pipe, Inches | Weight, Pounds |
|--------------------------|---------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------------|
| *10x18 | 30.00 | 40 | 32 | 1 | 4 | 100 |
| *12x24 | 36.00 | 65 | 43 | 1 | 5 | 160 |
| *12x30 | 38.00 | 80 | 49 | 1 | 5 | 170 |
| *14x30 | 44.00 | 100 | 49 | 1 1/4 | 5 | 200 |
| *14x36 | 48.00 | 120 | 55 | 1 1/4 | 5 | 235 |
| 16x30 | 72.00 | 130 | 52 | 1 1/2 | 5 | 400 |
| 16x36 | 76.00 | 150 | 58 | 1 1/2 | 5 | 420 |
| 20x30 | 90.00 | 200 | 54 | 2 | 7 | 520 |
| 20x36 | 96.00 | 250 | 60 | 2 | 7 | 550 |
| 20x42 | 110.00 | 275 | 66 | 2 | 7 | 580 |
| 24x36 | 126.00 | 300 | 60 | 2 | 8 | 780 |
| 24x42 | 132.00 | 350 | 66 | 2 | 8 | 810 |
| 24x48 | 142.00 | 400 | 72 | 2 | 8 | 840 |
| 30x42 | 160.00 | 500 | 67 | 3 | 8 | 1100 |
| 30x48 | 168.00 | 600 | 73 | 3 | 8 | 1150 |
| 30x54 | 176.00 | 700 | 79 | 3 | 8 | 1240 |
| 36x42 | 224.00 | 900 | 68 | 3 | 9 | 1900 |
| 36x48 | 236.00 | 1000 | 74 | 3 | 9 | 2000 |
| 42x42 | 260.00 | 1200 | 69 | 3 | 9 | 2400 |
| 42x48 | 270.00 | 1400 | 75 | 3 | 9 | 2500 |

*Not self-feeding. Without fire door. All small sizes except 10 x 18 can be furnished with front fire door at 10.00 extra on list.

HOT WATER STORAGE TANKS

HORIZONTAL OR VERTICAL

With or without Steam Coil

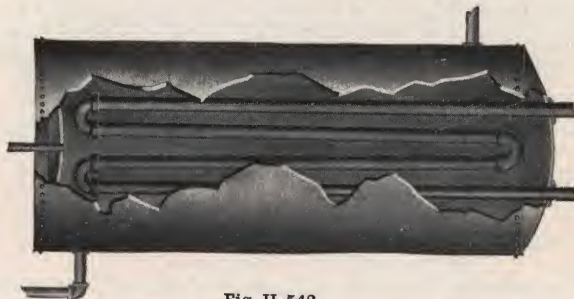


Fig. H-542

| Capacity Gallons | Diameter Inches | Length Feet | Approximate Weight Pounds | Price Plain Tanks Each | Number of Pipes in Coil | Size of Pipes in Coil | Price Plain Coils Each | Price Galv. Coils Each |
|---------------------|--------------------|----------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|
| 120 | 24 | 5 | 425 | 55.00 | 4 | 1 1/4 | 14.00 | 16.00 |
| 145 | 24 | 6 | 445 | 58.00 | 4 | 1 1/4 | 15.00 | 17.00 |
| 170 | 24 | 7 | 510 | 63.00 | 4 | 1 1/4 | 16.00 | 18.00 |
| 180 | 30 | 5 | 495 | 64.00 | 4 | 1 1/4 | 14.00 | 16.00 |
| 220 | 30 | 6 | 560 | 70.00 | 4 | 1 1/4 | 15.00 | 17.00 |
| 255 | 30 | 7 | 625 | 75.00 | 4 | 1 1/4 | 16.00 | 18.00 |
| 295 | 30 | 8 | 700 | 88.00 | 4 | 1 1/4 | 19.00 | 19.00 |
| 315 | 36 | 6 | 750 | 92.00 | 4 | 1 1/2 | 18.00 | 21.00 |
| 365 | 36 | 7 | 825 | 102.00 | 4 | 1 1/2 | 17.00 | 22.00 |
| 420 | 36 | 8 | 900 | 112.00 | 4 | 1 1/2 | 20.00 | 23.00 |
| 525 | 36 | 10 | 1050 | 131.00 | 4 | 1 1/2 | 22.00 | 25.00 |
| 575 | 42 | 8 | 1450 | 135.00 | 4 | 1 1/2 | 21.00 | 24.00 |
| 720 | 42 | 10 | 1650 | 150.00 | 4 | 1 1/2 | 24.00 | 27.00 |
| 865 | 42 | 12 | 1900 | 196.00 | 4 | 1 1/2 | 27.00 | 30.00 |
| 1000 | 42 | 14 | 2200 | 219.00 | 4 | 1 1/2 | 30.00 | 33.00 |

Prices of tanks with brass or copper coils, on application.

Flanged openings, add to list for each opening: 2-inch or 2 1/2-inch, 5.00; 3-inch or 3 1/2-inch, 6.00; 4-inch, 7.00.

Manhole in head, 15.00; in shell, 25.00. Handhole in head or shell, 5.00.

Tested to 100 pounds hydrostatic pressure, and for use where water working pressure does not exceed 65 pounds.

Regularly made with openings so that they may be used horizontally or vertically.

Manholes, handholes, and coils furnished only when specially ordered.

We recommend that tanks containing coils be made with a manhole.

Stands, hangers or supports for horizontal or vertical tanks, furnished at an extra charge.

EXTRA HEAVY HOT WATER STORAGE TANKS

BLACK OR GALVANIZED, HORIZONTAL OR VERTICAL
WITH OR WITHOUT STEAM COIL



Fig. H-543

These tanks are tested to 150 pounds hydrostatic pressure and guaranteed for working pressures not exceeding 100 pounds to the square inch.

| Capac. Gallons | Diam. Inches | Length Feet | Size Con- necti'ns Inches | Weight Lbs. | THICKNESS, IN. | | PRICE, EACH | | COILS BUILT IN TANKS | | | |
|-------------------|-----------------|----------------|------------------------------------|----------------|----------------|----------------|-------------|-----------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------|
| | | | | | Shell | Head | Black | Gal- vanized | Size of Coil Inches | Price Black Pipe Coil | Price Galv. Pipe Coil | Price I.P. Size Brass Coil |
| 120 | 24 | 5 | 1½ | 400 | $\frac{3}{16}$ | $\frac{5}{16}$ | 58.00 | 84.00 | 1¼ | 14.00 | 17.00 | 50.00 |
| 140 | 24 | 6 | 1½ | 460 | $\frac{3}{16}$ | $\frac{5}{16}$ | 62.00 | 92.00 | 1¼ | 16.00 | 19.00 | 60.00 |
| 180 | 30 | 5 | 2 | 560 | $\frac{3}{16}$ | $\frac{3}{8}$ | 69.00 | 105.50 | 1¼ | 14.00 | 17.00 | 50.00 |
| 220 | 30 | 6 | 2 | 640 | $\frac{3}{16}$ | $\frac{3}{8}$ | 73.00 | 114.50 | 1¼ | 16.00 | 19.00 | 60.00 |
| 250 | 30 | 7 | 2 | 700 | $\frac{3}{16}$ | $\frac{3}{8}$ | 82.00 | 127.50 | 1¼ | 18.00 | 21.00 | 70.00 |
| 295 | 30 | 8 | 2 | 770 | $\frac{3}{16}$ | $\frac{3}{8}$ | 87.00 | 137.00 | 1¼ | 20.00 | 23.00 | 80.00 |
| 315 | 36 | 6 | 2 | 970 | $\frac{1}{4}$ | $\frac{3}{8}$ | 95.00 | 158.00 | 1½ | 20.00 | 23.00 | 75.00 |
| 365 | 36 | 7 | 2 | 1080 | $\frac{1}{4}$ | $\frac{3}{8}$ | 104.00 | 174.00 | 1½ | 22.00 | 25.00 | 90.00 |
| 420 | 36 | 8 | 2 | 1180 | $\frac{1}{4}$ | $\frac{3}{8}$ | 112.00 | 188.50 | 1½ | 24.00 | 28.00 | 105.00 |
| 525 | 36 | 10 | 2 | 1400 | $\frac{1}{4}$ | $\frac{3}{8}$ | 129.00 | 220.00 | 1½ | 28.00 | 32.00 | 120.00 |
| 430 | 42 | 6 | 2 | 1230 | $\frac{1}{4}$ | $\frac{7}{16}$ | 113.00 | ..... | 1½ | 20.00 | 23.00 | 75.00 |
| 500 | 42 | 7 | 2 | 1350 | $\frac{1}{4}$ | $\frac{7}{16}$ | 124.00 | ..... | 1½ | 22.00 | 25.00 | 90.00 |
| 575 | 42 | 8 | 2 | 1480 | $\frac{1}{4}$ | $\frac{7}{16}$ | 135.00 | ..... | 1½ | 24.00 | 28.00 | 105.00 |
| 720 | 42 | 10 | 2 | 1750 | $\frac{1}{4}$ | $\frac{7}{16}$ | 153.00 | ..... | 1½ | 28.00 | 32.00 | 120.00 |
| 865 | 42 | 12 | 2 | 2000 | $\frac{1}{4}$ | $\frac{7}{16}$ | 171.00 | ..... | 1½ | 32.00 | 36.00 | 135.00 |
| 1000 | 42 | 14 | 2 | 2250 | $\frac{1}{4}$ | $\frac{7}{16}$ | 191.00 | ..... | 1½ | 36.00 | 40.00 | 150.00 |
| 750 | 48 | 8 | 3 | 1800 | $\frac{1}{4}$ | $\frac{7}{16}$ | 168.00 | ..... | ..... | ..... | ..... | ..... |
| 940 | 48 | 10 | 3 | 2100 | $\frac{1}{4}$ | $\frac{7}{16}$ | 188.00 | ..... | ..... | ..... | ..... | ..... |
| 1130 | 48 | 12 | 3 | 2400 | $\frac{1}{4}$ | $\frac{7}{16}$ | 209.00 | ..... | ..... | ..... | ..... | ..... |
| 1300 | 48 | 14 | 3 | 2700 | $\frac{1}{4}$ | $\frac{7}{16}$ | 230.00 | ..... | ..... | ..... | ..... | ..... |

Regularly furnished with pressed steel flanges at openings.

Extra for manhole in head, 15.00.

Extra for handhole in head, 5.00.

" " " " shell, 25.00.

" " " " shell, 5.00.

Tanks containing steam coils should always have manhole.

HYDRANT AND CORPORATION COCKS, ETC.

HYDRANT COCKS, FOR IRON PIPE

FLAT WAY

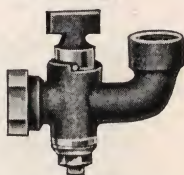


Fig. H-544

ROUND WAY

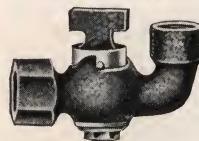


Fig. H-545

FLAT WAY—"T" HANDLE OR SOCKET HEAD

| | | | | | | | | |
|--------------------|-----------|-------|-------|-------|-------|--------|--------|--------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Rough | per dozen | 25.80 | 36.60 | 45.00 | 64.80 | 103.80 | 170.40 | 288.00 |

ROUND WAY—"T" HANDLE OR SOCKET HEAD

| | | | | | | | | |
|--------------------|-----------|-------|-------|-------|-------|--------|--------|--------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Rough | per dozen | 31.20 | 43.20 | 55.20 | 85.80 | 135.00 | 218.40 | 372.00 |

CORPORATION COCKS

With Eighth Bend Coupling

SCREW PLUG

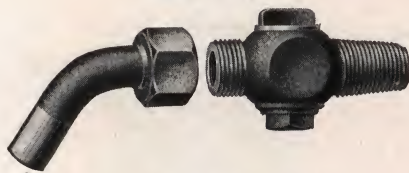


Fig. H-546

HEXAGON PLUG

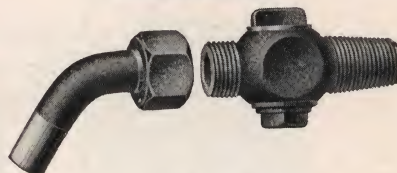


Fig. H-547

| | | | | | | | | | |
|-----------------------------|--------|------|------|------|------|------|-------|-------|-------|
| Size | inches | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, with Screw Plug..... | each | 1.50 | 1.60 | 2.25 | 2.85 | 4.50 | 10.00 | 16.00 | 26.50 |
| " " Hexagon Plug.. " | | 1.50 | 1.60 | 2.25 | 2.85 | 4.50 | 10.00 | 16.00 | 26.50 |

Quarter bend coupling furnished at same price.

SERVICE CONNECTIONS



Fig. H-548

| | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|--------|--------|--------|--------|
| Size..... | inches | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price..... | per dozen | 54.00 | 63.00 | 75.00 | 87.00 | 129.00 | 234.00 | 372.00 | 582.00 |

Piece of lead pipe 18 inches long with corporation cock, wiped on one end, brass soldering nipple on the other.

INVERTED KEY CURB COCKS

"T" OR SOCKET HEAD STOPS—ROUND WAY

FOR IRON PIPE

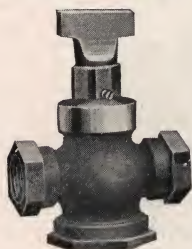


Fig. H-549

FOR LEAD PIPE

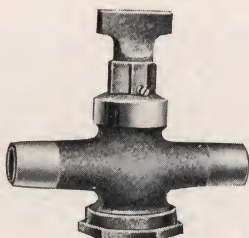


Fig. H-550

FOR LEAD AND IRON PIPE

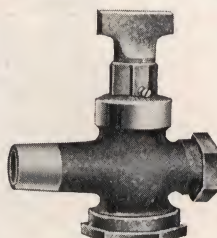


Fig. H-551

FOR IRON PIPE

| | | | | | | | |
|--------------------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per dozen | 35.40 | 45.60 | 58.80 | 88.80 | 144.60 | 233.40 | 396.00 |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | | | |
|--------------------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per dozen | 37.80 | 49.20 | 63.60 | 96.00 | 155.40 | 251.40 | 426.00 |

"T" OR SOCKET HEAD STOP AND WASTES—ROUND WAY

FOR IRON PIPE

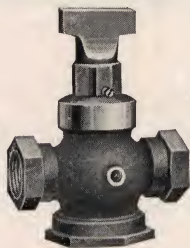


Fig. H-552

FOR LEAD PIPE

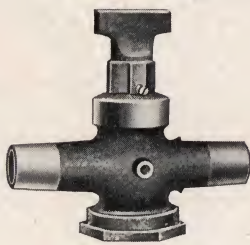


Fig. H-553

FOR LEAD AND IRON PIPE

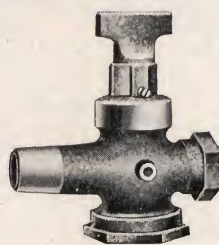


Fig. H-554

FOR IRON PIPE

| | | | | | | | |
|--------------------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per dozen | 36.00 | 46.20 | 59.40 | 90.00 | 146.40 | 236.40 | 402.00 |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | | | |
|--------------------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per dozen | 38.40 | 49.80 | 64.20 | 97.20 | 157.20 | 254.40 | 432.00 |

Waste tubes extra.

CURB AND STOP COCKS

ROUND WAY, IRON PIPE, TEE OR SOCKET HEAD

CURB COCKS—INVERTED KEY, MINNEAPOLIS PATTERN

STOP

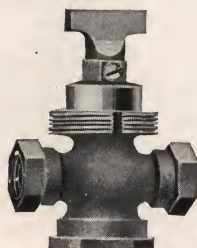


Fig. H-555

STOP AND WASTE

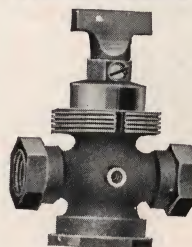


Fig. H-556

STOPS

| | | | | | | | |
|--------------------------|-------|-------|-------|-------|--------|--------|--------|
| Size | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Rough...per dozen | 40.20 | 51.00 | 64.80 | 96.60 | 156.60 | 251.40 | 426.00 |

STOP AND WASTES

| | | | | | | | |
|--------------------------|-------|-------|-------|-------|--------|--------|--------|
| Size | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Rough...per dozen | 40.80 | 51.60 | 65.40 | 97.80 | 158.40 | 254.40 | 432.00 |

"H" AND NEWPORT PATTERN STOPS

"H" PATTERN



Fig. H-557

NEWPORT PATTERN

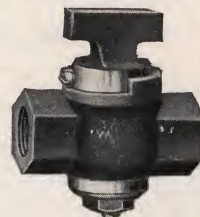


Fig. H-558

"H" PATTERN

| | | | | |
|--|--------|--------|--------|-------|
| Size | 1/2 | 5/8 | 3/4 | 1 |
| Price, Stops, "T" or Socket Head.....per dozen | 23.40 | 32.40 | 41.40 | 67.20 |
| " Stop and Wastes, "T" or Socket Head " | 24.00 | 33.00 | 42.00 | 68.40 |
| Size | 1 1/4 | 1 1/2 | 2 | ..... |
| Price, Stops, "T" or Socket Head.....per dozen | 106.20 | 171.00 | 294.00 | ..... |
| " Stop and Wastes, "T" or Socket Head " | 108.00 | 174.00 | 300.00 | ..... |

NEWPORT PATTERN

| | | | | |
|--|--------|--------|--------|-------|
| Size | 1/2 | 3/4 | 3/4x1 | 1 |
| Price, Stops, "T" or Socket Head.....per dozen | 28.80 | 49.80 | 68.40 | 88.80 |
| " Stop and Wastes, "T" or Socket Head " | 29.40 | 50.40 | 69.00 | 90.00 |
| Size | 1 1/4 | 1 1/2 | 2 | ..... |
| Price, Stops, "T" or Socket Head.....per dozen | 161.40 | 233.40 | 354.00 | ..... |
| " Stop and Wastes, "T" or Socket Head " | 163.20 | 236.40 | 360.00 | ..... |

Furnished without check at same price.

STOP AND STOP AND WASTE COCKS

"T" HANDLE STOPS, FLAT WAY

FOR IRON PIPE

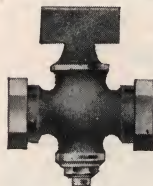


Fig. H-559

FOR LEAD PIPE

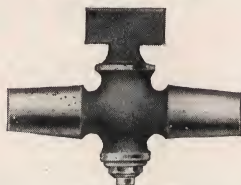


Fig. H-560

FOR LEAD AND IRON PIPE

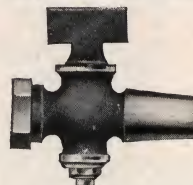


Fig. H-561

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 19.80 | 20.40 | 21.00 | 29.40 | 36.00 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 52.80 | 89.40 | 149.40 | 258.00 | .... |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 22.20 | 22.80 | 23.40 | 33.00 | 40.80 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 60.00 | 100.20 | 167.40 | 288.00 | .... |

"T" HANDLE STOP AND WASTES, FLAT WAY

FOR IRON PIPE

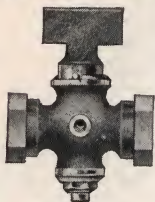


Fig. H-562

FOR LEAD PIPE

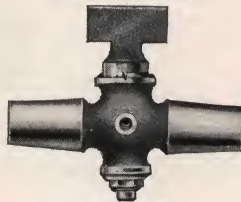


Fig. H-563

FOR LEAD AND IRON PIPE

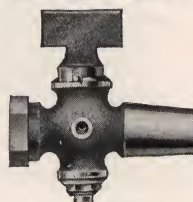


Fig. H-564

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 20.40 | 21.00 | 21.60 | 30.00 | 36.60 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 54.00 | 91.20 | 152.40 | 264.00 | .... |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 22.80 | 23.40 | 24.00 | 33.60 | 41.40 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 61.20 | 102.00 | 170.40 | 294.00 | .... |

STOP AND STOP AND WASTE COCKS

"T" HANDLE STOPS, ROUND WAY

FOR IRON PIPE

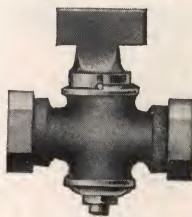


Fig. H-565

FOR LEAD PIPE

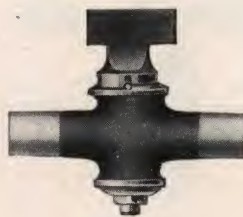


Fig. H-566

FOR LEAD AND IRON PIPE

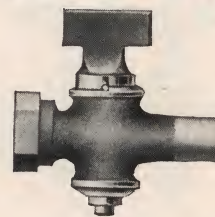


Fig. H-567

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 24.00 | 25.20 | 26.40 | 36.00 | 46.20 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | ..... |
| Price, Rough.....per dozen | 73.80 | 120.60 | 197.40 | 342.00 | ..... |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 26.40 | 27.60 | 28.80 | 39.60 | 51.00 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | ..... |
| Price, Rough.....per dozen | 81.00 | 131.40 | 215.40 | 372.00 | ..... |

"T" HANDLE STOP AND WASTES, ROUND WAY

FOR IRON PIPE

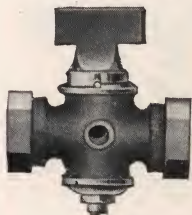


Fig. H-568

FOR LEAD PIPE

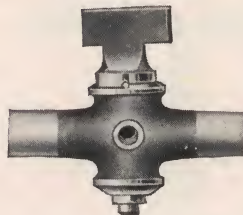


Fig. H-569

FOR LEAD AND IRON PIPE

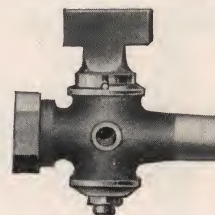


Fig. H-570

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 24.60 | 25.80 | 27.00 | 36.60 | 46.80 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | ..... |
| Price, Rough.....per dozen | 75.00 | 122.40 | 200.40 | 348.00 | ..... |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 27.00 | 28.20 | 29.40 | 40.20 | 51.60 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | ..... |
| Price, Rough.....per dozen | 82.20 | 133.20 | 218.40 | 378.00 | ..... |

STOP AND STOP AND WASTE COCKS

LEVER HANDLE STOPS, FLAT WAY

FOR IRON PIPE

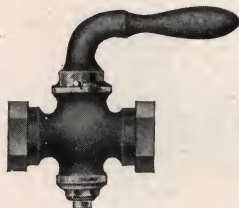


Fig. H-571

FOR LEAD PIPE

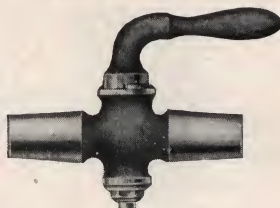


Fig. H-572

FOR LEAD AND IRON PIPE

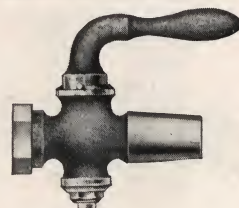


Fig. H-573

FOR IRON PIPE

| | | | | | | | | | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 19.80 | 20.40 | 21.00 | 29.40 | 36.00 | 52.80 | 89.40 | 149.40 | 258.00 |
| " Finished. " | 24.60 | 25.20 | 25.80 | 35.40 | 45.00 | 64.80 | 107.40 | 179.40 | 300.00 |
| " Nickel-plated. " | 29.40 | 30.00 | 30.60 | 41.40 | 54.00 | 76.80 | 125.40 | 209.40 | 342.00 |

FOR LEAD PIPE

| | | | | | | | | | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 22.20 | 22.80 | 23.40 | 33.00 | 40.80 | 60.00 | 100.20 | 167.40 | 288.00 |
| " Finished. " | 27.00 | 27.60 | 28.20 | 39.00 | 49.80 | 72.00 | 118.20 | 197.40 | 330.00 |
| " Nickel-plated. " | 31.80 | 32.40 | 33.00 | 45.00 | 58.80 | 84.00 | 136.20 | 227.40 | 372.00 |

FOR LEAD AND IRON PIPE

| | | | | | | | | | |
|-------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 22.20 | 22.80 | 23.40 | 33.00 | 40.80 | 60.00 | 100.20 | 167.40 | 288.00 |

LEVER HANDLE STOP AND WASTES, FLAT WAY

FOR IRON PIPE

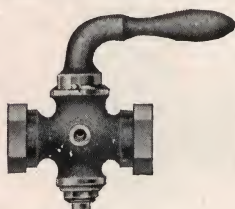


Fig. H-574

FOR LEAD PIPE

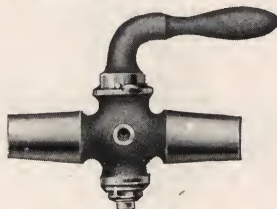


Fig. H-575

FOR LEAD AND IRON PIPE

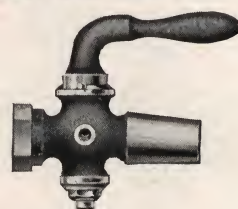


Fig. H-576

FOR IRON PIPE

| | | | | | | | | | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 20.40 | 21.00 | 21.60 | 30.00 | 36.60 | 54.00 | 91.20 | 152.40 | 264.00 |
| " Finished. " | 25.20 | 25.80 | 26.40 | 36.00 | 45.60 | 66.00 | 109.20 | 182.40 | 306.00 |
| " Nickel-plated. " | 30.00 | 30.60 | 31.20 | 42.00 | 54.60 | 78.00 | 127.20 | 212.40 | 348.00 |

FOR LEAD PIPE

| | | | | | | | | | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 22.80 | 23.40 | 24.00 | 33.60 | 41.40 | 61.20 | 102.00 | 170.40 | 294.00 |
| " Finished. " | 27.60 | 28.20 | 28.80 | 39.60 | 50.40 | 73.20 | 120.00 | 200.40 | 336.00 |
| " Nickel-plated. " | 32.40 | 33.00 | 33.60 | 45.60 | 59.40 | 85.20 | 138.00 | 230.40 | 378.00 |

FOR LEAD AND IRON PIPE

| | | | | | | | | | |
|-------------------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough...per doz. | 22.80 | 23.40 | 24.00 | 33.60 | 41.40 | 61.20 | 102.00 | 170.40 | 294.00 |

STOP AND STOP AND WASTE COCKS

LEVER HANDLE STOPS, ROUND WAY

FOR IRON PIPE

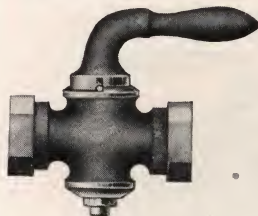


Fig. H-577

FOR LEAD PIPE

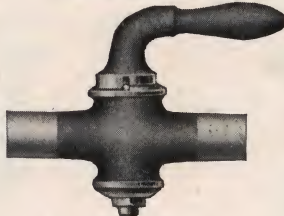


Fig. H-578

FOR LEAD AND IRON PIPE

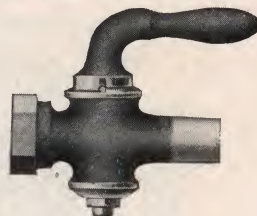


Fig. H-579

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 24.00 | 25.20 | 26.40 | 36.00 | 46.20 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 73.80 | 120.60 | 197.40 | 342.00 | .... |

FOR LEAD OR LEAD AND IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 26.40 | 27.60 | 28.80 | 39.60 | 51.00 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 81.00 | 131.40 | 215.40 | 372.00 | .... |

LEVER HANDLE STOP AND WASTES, ROUND WAY

FOR IRON PIPE

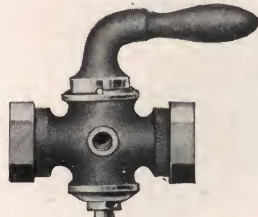


Fig. H-580

FOR LEAD PIPE

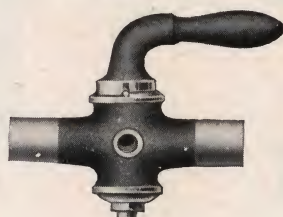


Fig. H-581

FOR LEAD AND IRON PIPE

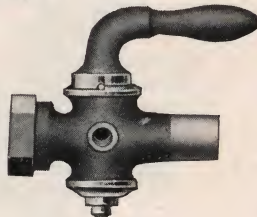


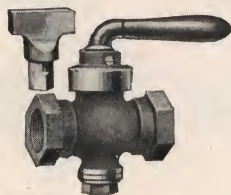
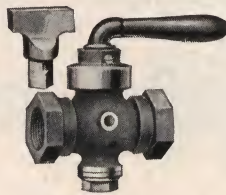
Fig. H-582

FOR IRON PIPE

| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 24.60 | 25.80 | 27.00 | 36.60 | 46.80 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 75.00 | 122.40 | 200.40 | 348.00 | .... |

FOR LEAD OR LEAD AND IRON PIPE

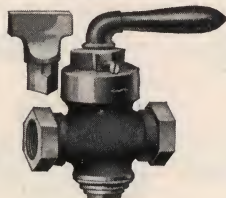
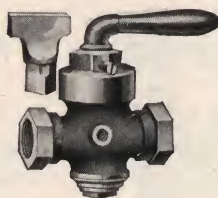
| | | | | | |
|----------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Rough.....per dozen | 27.00 | 28.20 | 29.40 | 40.20 | 51.60 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Rough.....per dozen | 82.20 | 133.20 | 218.40 | 378.00 | .... |

STOP AND STOP AND WASTE COCKS**WITH PATENT GUARD****FLAT WAY, FOR IRON PIPE****STOP****Fig. H-583****STOP AND WASTE****Fig. H-584****STOPS**

| | | | | | | | | |
|----------------------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough.....per dozen | 20.40 | 21.00 | 29.40 | 36.00 | 52.80 | 89.40 | 149.40 | 258.00 |
| “ Finished..... “ | 25.20 | 25.80 | 35.40 | 45.00 | 64.80 | 107.40 | 179.40 | 300.00 |
| “ Nickel-plated “ | 30.00 | 30.60 | 41.40 | 54.00 | 76.80 | 125.40 | 209.40 | 342.00 |

STOP AND WASTES

| | | | | | | | | |
|----------------------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough.....per dozen | 21.00 | 21.60 | 30.00 | 36.60 | 54.00 | 91.20 | 152.40 | 264.00 |
| “ Finished..... “ | 25.80 | 26.40 | 36.00 | 45.60 | 66.00 | 109.20 | 182.40 | 306.00 |
| “ Nickel-plated “ | 30.60 | 31.20 | 42.00 | 54.60 | 78.00 | 127.20 | 212.40 | 348.00 |

ROUND WAY, FOR IRON PIPE**STOP****Fig. H-585****STOP AND WASTE****Fig. H-586****STOPS**

| | | | | | | | | |
|----------------------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough.....per dozen | 25.20 | 26.40 | 36.00 | 46.20 | 73.80 | 120.60 | 197.40 | 342.00 |
| “ Finished..... “ | 30.00 | 31.20 | 42.00 | 55.20 | 85.80 | 138.60 | 227.40 | 384.00 |
| “ Nickel-plated “ | 34.80 | 36.00 | 48.00 | 64.20 | 97.80 | 156.60 | 257.40 | 426.00 |

STOP AND WASTES

| | | | | | | | | |
|----------------------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough.....per dozen | 25.80 | 27.00 | 36.60 | 46.80 | 75.00 | 122.40 | 200.40 | 348.00 |
| “ Finished..... “ | 30.60 | 31.80 | 42.60 | 55.80 | 87.00 | 140.40 | 230.40 | 390.00 |
| “ Nickel-plated “ | 35.40 | 36.60 | 48.60 | 64.80 | 99.00 | 158.40 | 260.40 | 432.00 |

Furnished with one malleable handle, right or left-hand tee or lever handle or socket.
Waste tubes extra.

SOCKET HEAD STOP AND STOP AND WASTE COCKS

FOR IRON PIPE

Malleable Handle, Right or Left-Hand, Tee or Lever Handle or Socket

FLAT WAY

STOP

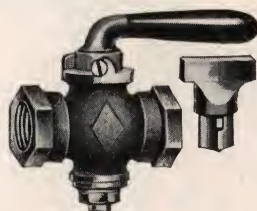


Fig. H-587

STOP AND WASTE

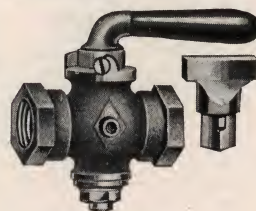


Fig. H-588

STOPS

| | | | | | | | | | |
|--------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 20.40 | 21.00 | 29.40 | 36.00 | 52.80 | 89.40 | 149.40 | 258.00 |
| " Finished | " | 25.20 | 25.80 | 35.40 | 45.00 | 64.80 | 107.40 | 179.40 | 300.00 |
| " Nickel-plated .. | " | 30.00 | 30.60 | 41.40 | 54.00 | 76.80 | 125.40 | 209.40 | 342.00 |

STOP AND WASTES

| | | | | | | | | | |
|--------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 21.00 | 21.60 | 30.00 | 36.60 | 54.00 | 91.20 | 152.40 | 264.00 |
| " Finished | " | 25.80 | 26.40 | 36.00 | 45.60 | 66.00 | 109.20 | 182.40 | 306.00 |
| " Nickel-plated .. | " | 30.60 | 31.20 | 42.00 | 54.60 | 78.00 | 127.20 | 212.40 | 348.00 |

ROUND WAY

STOP

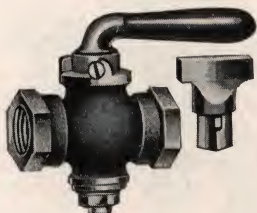


Fig. H-589

STOP AND WASTE

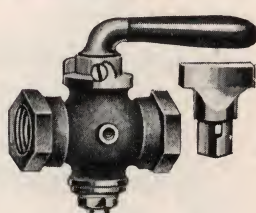


Fig. H-590

STOPS

| | | | | | | | | | |
|--------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 25.20 | 26.40 | 36.00 | 46.20 | 73.80 | 120.60 | 197.40 | 342.00 |
| " Finished | " | 30.00 | 31.20 | 42.00 | 55.20 | 85.80 | 138.60 | 227.40 | 384.00 |
| " Nickel-plated .. | " | 34.80 | 36.00 | 48.00 | 64.20 | 97.80 | 156.60 | 257.40 | 426.00 |

STOP AND WASTES

| | | | | | | | | | |
|--------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 25.80 | 27.00 | 36.60 | 46.80 | 75.00 | 122.40 | 200.40 | 348.00 |
| " Finished | " | 30.60 | 31.80 | 42.60 | 55.80 | 87.00 | 140.40 | 230.40 | 390.00 |
| " Nickel-plated .. | " | 35.40 | 36.60 | 48.60 | 64.80 | 99.00 | 158.40 | 260.40 | 432.00 |

GROUND KEY BIBBS

PLAIN BIBB, FOR LEAD PIPE

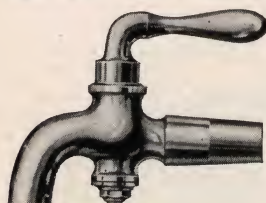


Fig. H-591

PLAIN BIBB, FOR IRON PIPE

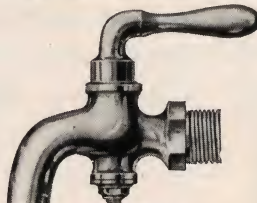


Fig. H-592

HOSE BIBB, FOR IRON PIPE

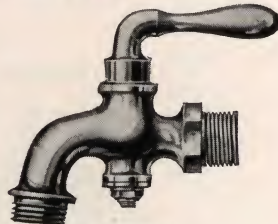


Fig. H-593

PLAIN BIBBS, FOR LEAD PIPE

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 21.60 | 22.20 | 31.20 | 38.40 | 56.40 | 94.80 | 158.40 | 273.00 |
| " Finished.. | " | 26.40 | 27.00 | 37.20 | 47.40 | 68.40 | 112.80 | 188.40 | 315.00 |
| " Nickel-plated. | " | 31.20 | 31.80 | 43.20 | 56.40 | 80.40 | 130.80 | 218.40 | 357.00 |

PLAIN BIBBS, FOR IRON PIPE

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 20.40 | 21.00 | 29.40 | 36.00 | 52.80 | 89.40 | 149.40 | 258.00 |
| " Finished.. | " | 25.20 | 25.80 | 35.40 | 45.00 | 64.80 | 107.40 | 179.40 | 300.00 |
| " Nickel-plated. | " | 30.00 | 30.60 | 41.40 | 54.00 | 76.80 | 125.40 | 209.40 | 342.00 |

HOSE BIBBS, FOR LEAD PIPE

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 24.60 | 25.20 | 34.20 | 41.40 | 63.60 | 105.60 | 173.40 | 295.20 |
| " Finished.. | " | 29.40 | 30.00 | 40.20 | 50.40 | 75.60 | 123.60 | 203.40 | 337.20 |
| " Nickel-plated. | " | 34.20 | 34.80 | 46.20 | 59.40 | 87.60 | 141.60 | 233.40 | 379.20 |

HOSE BIBBS, FOR IRON PIPE

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 23.40 | 24.00 | 32.40 | 39.00 | 60.00 | 100.20 | 164.40 | 280.20 |
| " Finished.. | " | 28.20 | 28.80 | 38.40 | 48.00 | 72.00 | 118.20 | 194.40 | 322.20 |
| " Nickel-plated. | " | 33.00 | 33.60 | 44.40 | 57.00 | 84.00 | 136.20 | 224.40 | 364.20 |

FOR IRON PIPE, S. O. T.

PLAIN BIBB

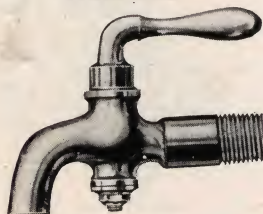


Fig. H-594

HOSE BIBB

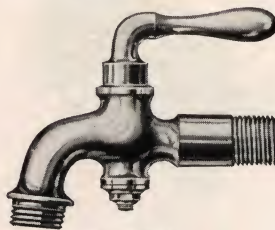


Fig. H-595

PLAIN BIBBS

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 22.80 | 23.40 | 32.40 | 40.20 | 60.00 | 100.20 | 164.40 | 288.00 |
| " Finished.. | " | 27.60 | 28.20 | 38.40 | 49.20 | 72.00 | 118.20 | 194.40 | 330.00 |
| " Nickel-plated. | " | 32.40 | 33.00 | 44.40 | 58.20 | 84.00 | 136.20 | 224.40 | 372.00 |

HOSE BIBBS

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Price, Rough....per dozen | | 25.80 | 26.40 | 35.40 | 43.20 | 67.20 | 111.00 | 179.40 | 310.20 |
| " Finished.. | " | 30.60 | 31.20 | 41.40 | 52.20 | 79.20 | 129.00 | 209.40 | 352.20 |
| " Nickel-plated. | " | 35.40 | 36.00 | 47.40 | 61.20 | 91.20 | 147.00 | 239.40 | 394.20 |
| Add for Hexagon | " | 1.80 | 1.80 | 1.80 | 1.80 | 3.00 | 4.20 | 6.00 | 7.80 |

COMPRESSION BIBBS

FOR IRON PIPE

PLAIN BIBB

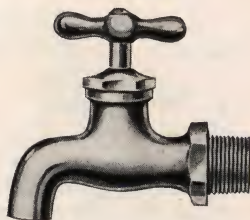


Fig. H-596

HOSE BIBB

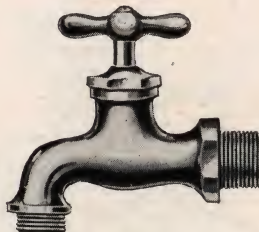


Fig. H-597

PLAIN BIBBS

| | | | | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 16.80 | 17.40 | 22.80 | 30.60 | 54.00 | 106.80 | 139.20 | 282.00 |
| " Finished | " | 18.60 | 19.80 | 25.20 | 33.00 | 60.00 | 114.00 | 150.00 | 300.00 |
| " Nickel-plated | " | 22.20 | 23.40 | 28.80 | 37.20 | 66.00 | 124.80 | 165.00 | 330.00 |

HOSE BIBBS

| | | | | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 19.80 | 20.40 | 25.80 | 33.60 | 61.20 | 117.60 | 154.20 | 304.20 |
| " Finished | " | 21.60 | 22.80 | 28.20 | 36.00 | 67.20 | 124.80 | 165.00 | 322.20 |
| " Nickel-plated | " | 25.20 | 26.40 | 31.80 | 40.20 | 73.20 | 135.60 | 180.00 | 352.20 |

FOR LEAD PIPE

PLAIN BIBB

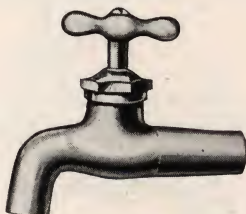


Fig. H-598

HOSE BIBB



Fig. H-599

PLAIN BIBBS

| | | | | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 18.00 | 18.60 | 24.60 | 33.00 | 57.60 | 112.20 | 148.20 | 297.00 |
| " Finished | " | 19.80 | 21.00 | 27.00 | 35.40 | 63.60 | 119.40 | 159.00 | 315.00 |
| " Nickel-plated | " | 23.40 | 24.60 | 30.60 | 39.60 | 69.60 | 130.20 | 174.00 | 345.00 |

HOSE BIBBS

| | | | | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Rough | per dozen | 21.00 | 21.60 | 27.60 | 36.00 | 64.80 | 123.00 | 163.20 | 319.20 |
| " Finished | " | 22.80 | 24.00 | 30.00 | 38.40 | 70.80 | 130.20 | 174.00 | 337.20 |
| " Nickel-plated | " | 26.40 | 27.60 | 33.60 | 42.60 | 76.80 | 141.00 | 189.00 | 367.20 |

EXTRA FOR STUFFING BOX OR CHINA INDEX HANDLE

| | | | | | | | | | |
|--|-----------|---------------|---------------|---------------|---------------|-------|----------------|----------------|-------|
| Size of Bibb | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Add for Stuffing Box | per dozen | 4.20 | 4.80 | 5.40 | 6.00 | 10.80 | 18.60 | 22.20 | 33.60 |
| " " China Button Four-Arm Handle ..... | " | .... | 9.00 | 8.40 | 8.40 | .... | .... | .... | .... |

COMPRESSION BIBBS

FOR IRON PIPE

SOLID FLANGE

PLAIN BIBB, MALE FLANGE

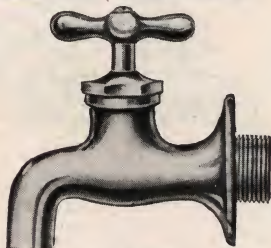


Fig. H-600

HOSE BIBB, MALE FLANGE

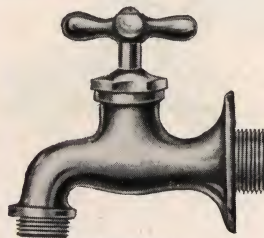


Fig. H-601

PLAIN BIBBS, MALE FLANGE

| | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished | per dozen | 24.60 | 25.80 | 32.40 | 42.00 | 73.20 |
| " Nickel-plated | " | 28.20 | 29.40 | 36.00 | 46.20 | 79.20 |

HOSE BIBBS, MALE FLANGE

| | | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished | per dozen | 27.60 | 28.80 | 35.40 | 45.00 | 80.40 |
| " Nickel-plated | " | 31.20 | 32.40 | 39.00 | 49.20 | 86.40 |

PLAIN BIBB, FEMALE FLANGE

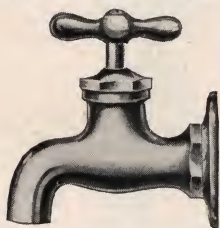


Fig. H-602

HOSE BIBB, FEMALE FLANGE

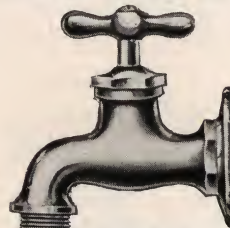


Fig. H-603

PLAIN BIBBS, FEMALE FLANGE

| | | | | | | |
|------------------------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished | per dozen | 24.60 | 25.80 | 32.40 | 42.00 | 73.20 |
| " Nickel-plated | " | 28.20 | 29.40 | 36.00 | 46.20 | 79.20 |
| Deduct for Hexagon on Flange. | " | 1.80 | 1.80 | 1.80 | 1.80 | 3.00 |

HOSE BIBBS, FEMALE FLANGE

| | | | | | | |
|------------------------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished | per dozen | 27.60 | 28.80 | 35.40 | 45.00 | 80.40 |
| " Nickel-plated | " | 31.20 | 32.40 | 39.00 | 49.20 | 86.40 |
| Deduct for Hexagon on Flange. | " | 1.80 | 1.80 | 1.80 | 1.80 | 3.00 |

EXTRA FOR STUFFING BOX

| | | | | | | |
|--------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size of Bibb | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Add | per dozen | 4.20 | 4.80 | 5.40 | 6.00 | 10.80 |

COMPRESSION BIBBS

WITH SET SCREW FLANGE AND HEXAGON
S. O. T.

PLAIN BIBB

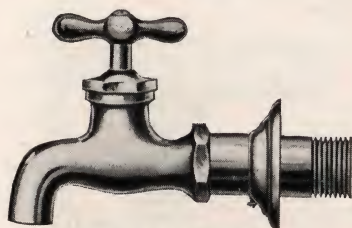


Fig. H-604

HOSE BIBB

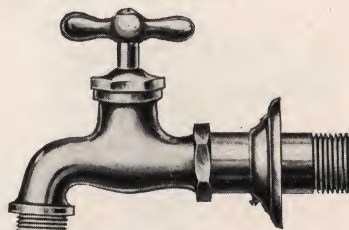


Fig. H-605

PLAIN BIBBS

| | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 |
| Price, Finished | per dozen | 29.40 | 36.00 | 45.60 | 81.60 |
| " Nickel-plated | " | 33.00 | 39.60 | 49.80 | 87.60 |

HOSE BIBBS

| | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 |
| Price, Finished | per dozen | 32.40 | 39.00 | 48.60 | 88.80 |
| " Nickel-plated | " | 36.00 | 42.60 | 52.80 | 94.80 |

WITH EXTENSION FLANGE AND HEXAGON
IRON PIPE

PLAIN BIBB

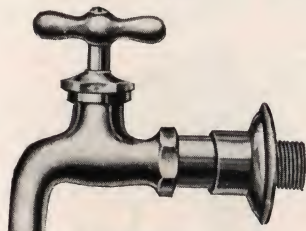


Fig. H-606

HOSE BIBB

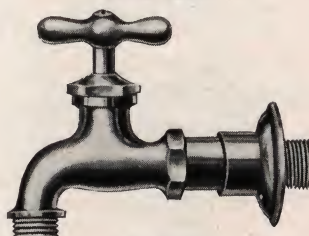


Fig. H-607

PLAIN BIBBS

| | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 |
| Price, Finished | per dozen | 32.40 | 40.80 | 51.00 | 88.80 |
| " Nickel-plated | " | 36.00 | 44.40 | 55.20 | 94.80 |

HOSE BIBBS

| | | | | | |
|-----------------------|-----------|-------|-------|-------|--------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 |
| Price, Finished | per dozen | 35.40 | 43.80 | 54.00 | 96.00 |
| " Nickel-plated | " | 39.00 | 47.40 | 58.20 | 102.00 |

EXTRA FOR CHINA HANDLES

| | | | | |
|---|-----------|-------|-------|-------|
| Size | inches | 1/2 | 5/8 | 3/4 |
| Price, Four-Arm Handle with China Index | per dozen | 9.00 | 8.40 | 8.40 |
| " All China Four-Arm Handle | " | 15.00 | 14.40 | 14.40 |

EXTRA FOR STUFFING BOX

| | | | | | |
|-------------|-----------|------|------|------|-------|
| Size | inches | 1/2 | 5/8 | 3/4 | 1 |
| Price | per dozen | 4.80 | 5.40 | 6.00 | 10.80 |

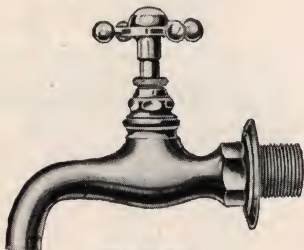
COMPRESSION BIBBS**LONG SPOUT****FOUR-BALL HANDLE WITH CHINA INDEX AND ENGLISH STUFFING BOX****SOLID FLANGE, MALE
WITH HEXAGON**

Fig. H-608

**SOLID FLANGE, FEMALE
WITH HEXAGON**

Fig. H-609

SOLID FLANGE, MALE

| | | | | |
|------------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 51.60 | 58.20 | 68.40 |
| " Nickel-plated..... | " | 55.20 | 61.80 | 72.60 |
| Deduct for Flange..... | " | 7.80 | 9.00 | 10.80 |

SOLID FLANGE, FEMALE

| | | | | |
|----------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 49.80 | 56.40 | 66.60 |
| " Nickel-plated..... | " | 53.40 | 60.00 | 70.80 |

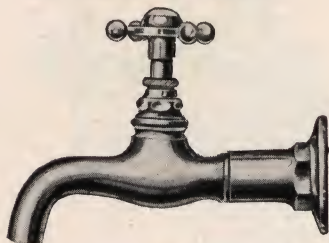
**DETACHABLE SHANK
SOLID FLANGE, FEMALE**

Fig. H-610

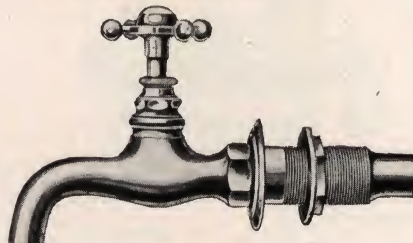
**SOLID FLANGE
DETACHABLE THIMBLE**

Fig. H-611

DETACHABLE SHANK, SOLID FLANGE, FEMALE

| | | | | |
|----------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 55.80 | 63.60 | 75.60 |
| " Nickel-plated..... | " | 59.40 | 67.20 | 79.80 |

SOLID FLANGE, DETACHABLE THIMBLE

| | | | | |
|----------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 73.80 | 79.20 | 87.60 |
| " Nickel-plated..... | " | 77.40 | 82.80 | 91.80 |

Add for Detachable Shank on Long Spout Bibbs
not Shown.....

" for Hose End.....

| | | |
|------|------|------|
| 6.00 | 7.20 | 9.00 |
| 3.00 | 3.00 | 3.00 |

COMPRESSION WASH TRAY BIBBS

FOR IRON PIPE

WITH SHOULDER

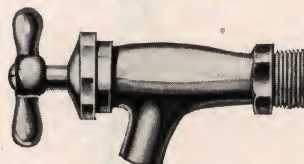


Fig. H-612

S. O. T.



Fig. H-613

WITH SHOULDER

| | | | | |
|-----------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished | per dozen | 19.80 | 25.20 | 33.00 |
| " Nickel-plated | " | 23.40 | 28.80 | 37.20 |

S. O. T.

| | | | | |
|--------------------------------|-----------|---------------|---------------|---------------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished | per dozen | 22.20 | 28.20 | 37.20 |
| " Nickel-plated | " | 25.80 | 31.80 | 41.40 |
| Add for Hexagon on Shank | " | 1.80 | 1.80 | 1.80 |

STUB PATTERN FLANGED, MALE

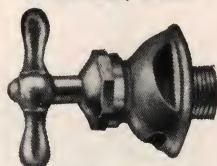


Fig. H-614

SHORT PATTERN FLANGED, MALE



Fig. H-615

STUB PATTERN

| | | |
|-----------------------------|-----------|---------------|
| Size..... | inches | $\frac{1}{2}$ |
| Price, Male, Finished | per dozen | 16.40 |
| " " Nickel-plated | " | 19.40 |
| " Female, Finished..... | " | 16.40 |
| " " Nickel-plated | " | 19.40 |

Made only in $\frac{1}{2}$ -inch size.

SHORT PATTERN

| | | | |
|----------------------------|-----------|---------------|---------------|
| Size | inches | $\frac{1}{2}$ | $\frac{5}{8}$ |
| Price, Male, Finished..... | per dozen | 18.40 | 25.60 |
| " " Nickel-plated | " | 21.40 | 28.60 |
| " Female, Finished | " | 18.40 | 25.60 |
| " " Nickel-plated | " | 21.40 | 28.60 |

Made only in $\frac{1}{2}$ and $\frac{5}{8}$ -inch sizes.

COMPRESSION URINAL COCKS

FOR IRON PIPE



Fig. H-616

S. O. T.



Fig. H-617

FOR LEAD PIPE

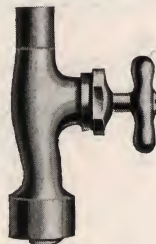


Fig. H-618

| | | |
|-------------------------------------|-----------|---------------|
| Size | inches | $\frac{1}{2}$ |
| Price, for Iron Pipe, Finished..... | per dozen | 27.00 |
| " " " " Nickel-plated..... | " | 30.60 |
| " S. O. T., Finished..... | " | 27.00 |
| " " " " Nickel-plated..... | " | 30.60 |
| " For Lead Pipe, Finished..... | " | 28.20 |
| " " " " Nickel-plated..... | " | 31.80 |
| Add for Stuffing Box..... | " | 4.80 |

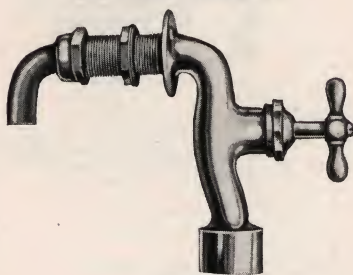
ADJUSTABLE FLANGE, NUT AND
BENT COUPLING, ACORN TOP AND UNIONSOLID FLANGE, NUT
AND BENT COUPLING

Fig. H-619

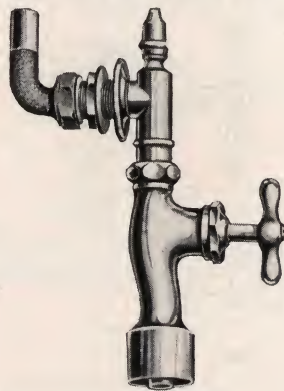


Fig. H-620

| | | |
|---|-----------|---------------|
| Size..... | inches | $\frac{1}{2}$ |
| Price, Solid Flange, Nut and Bent Coupling, Finished..... | per dozen | 45.00 |
| " " " " " " Nickel-plated..... | " | 48.60 |
| " Adj. " " " " " " Acorn Top, Finished.... | " | 66.60 |
| " " " " " " " " Nickel-plated..... | " | 74.40 |
| Add for Loose Key..... | " | 5.40 |
| " " Stuffing Box..... | " | 4.80 |

Couplings furnished rough for lead pipe or male iron pipe at same price.

COMPRESSION STOP COCKS AND SILL COCKS, ETC.

STOP AND STOP AND WASTE COCKS

"HAYSCO" STOP AND WASTE



Fig. H-621

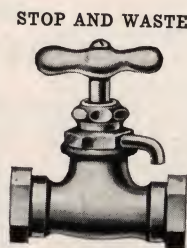


Fig. H-621 1/2



Fig. H-622

| | | | | | | |
|---------------------------|-----------|-------|-------|-------|-------|-------|
| Size..... | inches | | | | | |
| Price, Stops, Rough..... | per dozen | 3/8 | 1/2 | 5/8 | 3/4 | 1 |
| " " Finished..... | " | 14.40 | 17.40 | 22.80 | 30.60 | 54.00 |
| " " Nickel-plated..... | " | 16.20 | 19.80 | 25.20 | 33.00 | 60.00 |
| Add for Stuffing Box..... | " | 19.80 | 23.40 | 28.80 | 37.20 | 66.00 |
| | | 4 20 | 4 80 | 5 40 | 6 00 | 10 00 |

REVISED LISTS ON "HAYSCO" STOP AND WASTE COCKS

| | | | | | | | | | |
|-------------------|-----------|-------|-------|-------|-------|-------|--------|--------|--------|
| Size..... | inches | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Rough..... | per dozen | 28.80 | 32.40 | 38.40 | 46.80 | 84.00 | 156.00 | 208.20 | 381.00 |
| " Finished..... | " | 30.60 | 34.80 | 40.80 | 49.20 | 90.00 | 163.20 | 219.00 | 399.00 |
| " Nickel-plated | " | 34.20 | 38.40 | 44.40 | 53.40 | 96.00 | 174.00 | 234.00 | 429.00 |

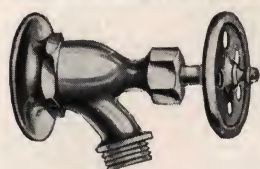


Fig. H-623

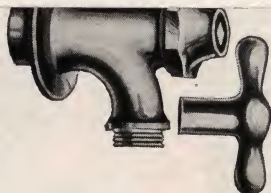


Fig. H-624

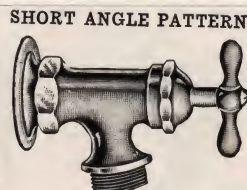


Fig. H-625

| | | | | | |
|--|---|------------|------------|-------------|-----------|
| Style..... | | "T" Handle | Iron Wheel | Brass Wheel | Loose Key |
| Price, Boston Pattern, Rough N. P. or Fin. per dozen | | 28.80 | 28.80 | 33.60 | 33.60 |
| " " " Nickel-plated..... | " | 33.00 | 33.00 | 37.80 | 37.80 |
| " Angle Pattern, Rough N. P. or Fin. per dozen | " | 36.00 | 36.00 | 40.80 | 40.80 |
| " " " Nickel-plated..... | " | 40.20 | 40.20 | 45.00 | 45.00 |
| " Short Angle Pattern, Rough N.P. or Fin. per dozen | " | 30.00 | 30.00 | 34.80 | 34.80 |
| " " " Nickel-plated..... | " | 34.20 | 34.20 | 39.00 | 39.00 |



Fig. H-625 1/2

BOILER COCKS

| | | | | |
|-------------------------------------|--------|---------|---------|------|
| Size..... | inches | 1/2x1/2 | 1/2x3/4 | 5/8 |
| Price, Rough, Nickel-plated... each | | 1.45 | 1.65 | 1.90 |
| Add for Female End..... | " | .15 | .15 | .15 |

COMPRESSION LAVATORY STOPS

WHEEL HANDLE

IRON PIPE THREAD BOTH ENDS

STRAIGHT

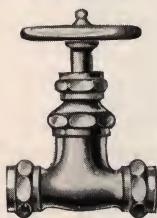


Fig. H-626

ANGLE



Fig. H-627

SLIP JOINT ONE END

STRAIGHT

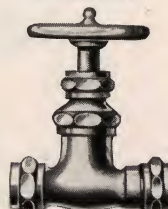


Fig. H-628

ANGLE



Fig. H-629

IRON PIPE THREAD BOTH ENDS, STRAIGHT OR ANGLE

| | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|
| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 25.20 | 30.00 | 36.60 | 46.20 |
| " Nickel-plated | " | 28.80 | 33.60 | 40.20 | 50.40 |

SLIP JOINT ONE END, STRAIGHT OR ANGLE

| | | | | | |
|-----------------------|-----------|---|---|---------------|---------------|
| Size..... | inches | $\frac{3}{8}$ -in. Body $\frac{3}{8}$ -in. I. P. | $\frac{1}{2}$ -in. Body $\frac{1}{2}$ -in. I. P. | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 28.20 | 28.20 | 34.80 | 45.60 |
| " Nickel-plated | " | 31.80 | 31.80 | 38.40 | 49.20 |
| | | | | 57.00 | 61.20 |

LOOSE KEY

IRON PIPE THREAD BOTH ENDS

STRAIGHT

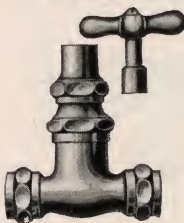


Fig. H-630

ANGLE



Fig. H-631

SLIP JOINT ONE END

STRAIGHT

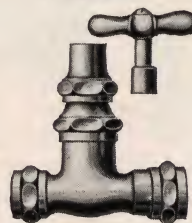


Fig. H-632

ANGLE

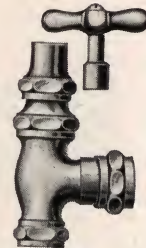


Fig. H-633

IRON PIPE THREAD BOTH ENDS, STRAIGHT OR ANGLE

| | | | | | |
|-----------------------|-----------|---------------|---------------|---------------|---------------|
| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 25.20 | 30.00 | 36.60 | 46.20 |
| " Nickel-plated | " | 28.80 | 33.60 | 40.20 | 50.40 |

SLIP JOINT ONE END, STRAIGHT OR ANGLE

| | | | | | |
|--------------------------------|-----------|---|---|---------------|---------------|
| Size..... | inches | $\frac{3}{8}$ -in. Body $\frac{3}{8}$ -in. I. P. | $\frac{1}{2}$ -in. Body $\frac{1}{2}$ -in. I. P. | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Finished..... | per dozen | 28.20 | 28.20 | 34.80 | 45.60 |
| " Nickel-plated | " | 31.80 | 31.80 | 38.40 | 49.20 |
| Add for Slip Joint Both Ends.. | " | 3.00 | 3.00 | 4.80 | 9.00 |
| | | | | 57.00 | 61.20 |

One key furnished with each loose key stop.

When ordering slip joint stops, specify outside diameter of tubing.

COMPRESSION BASIN, SHAMPOO AND PANTRY COCKS

COMPRESSION
DOUBLE BASIN COCK

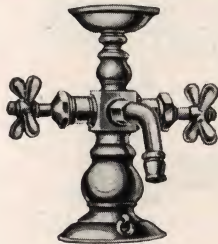


Fig. H-634

COMPRESSION
SHAMPOO COCK

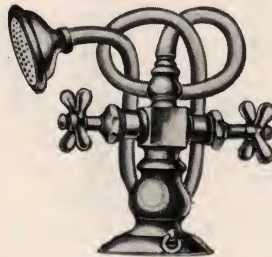


Fig. H-635

COMPRESSION
SHAMPOO AND
BASIN COCK

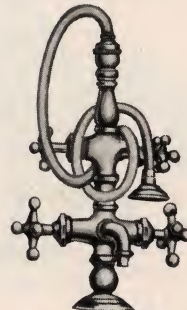


Fig. H-636

COMPRESSION BASIN AND SHAMPOO COCKS

| | | |
|---|-----------|-------|
| Price, Double Basin Cocks, Nickel-plated..... | each | 13.75 |
| Add for Stuffing Boxes..... | each cock | .70 |
| " " Oval Cup..... | " " | 1.00 |
| " " Four-Ball China Index Handles..... | " " | 1.60 |
| Price, Shampoo Cocks..... | each | 13.25 |
| Add for Stuffing Boxes..... | each cock | .70 |
| " " Four-Ball China Index Handles..... | " " | 1.60 |
| Price, Shampoo and Basin Cocks..... | each | 30.00 |
| Add for Stuffing Boxes..... | each cock | 1.40 |
| " " Four-Ball China Index Handles..... | " " | 3.20 |

Rubber tubing extra.

COMPRESSION PANTRY COCKS

SINGLE



Fig. H-637

SINGLE

| | | |
|---------------------------------------|-------|-------|
| Number..... | 1 | 2 |
| Price, "T" Handle, Nickel-plated..... | 45.00 | 54.00 |
| " Cross Handle, Nickel-plated..... | 48.00 | 57.00 |
| " Four-Ball China Index Handle..... | 57.60 | 66.60 |
| Add for Hose End... "..... | 3.60 | 3.60 |
| " " Stuffing Box "..... | 4.20 | 4.80 |

DOUBLE

| | | |
|---|-----------|-------|
| Price, Nickel-plated..... | each | 12.50 |
| Add for Four-Ball China Index Handle..... | each cock | 1.60 |
| " for Hose End..... | " " | .30 |
| " " Stuffing Boxes..... | " " | .70 |

DOUBLE

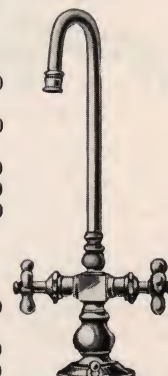


Fig. H-638

COMPRESSION BASIN COCKS

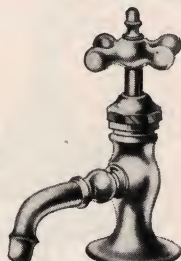
No. 0
CROSS HANDLE

Fig. H-639

No. 1
CROSS HANDLE

Fig. H-640

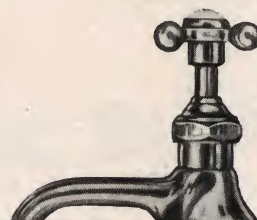
CHINA INDEX
LOW DOWN

Fig. H-641

| | | |
|---|-----------|-------|
| Price, No. 0, Cross Handle, Nickel-plated | per dozen | 27.60 |
| " " 0, Tee " " " | " | 24.60 |
| " " 1, Cross " " " | " | 29.40 |
| " " 1, Tee " " " | " | 26.40 |
| " Low Down, with China Index, Nickel-plated | " | 30.00 |

No. 1, CHINA INDEX
AND STUFFING BOX

Fig. H-642

No. 2, CHINA INDEX
AND STUFFING BOX

Fig. H-643

No. 3



Fig. H-644

| | | |
|---|-----------|--------|
| Price, No. 1, Nickel-plated, with China Index and Stuffing Box. | per dozen | 42.00 |
| If with China Tipped Cross Handles with Index, add | " | 18.00 |
| " " All China Handles, add | " | 6.00 |
| Price, No. 2, Nickel-plated, with China Index | " | 47.40 |
| If with China Tipped Cross Handles with Index, add | " | 14.40 |
| " " All China Handles, add | " | 6.00 |
| Price, No. 3, Nickel-plated, with Four-Arm China Handles and China Base | " | 120.00 |

COMPRESSION DOUBLE BATH COCKS

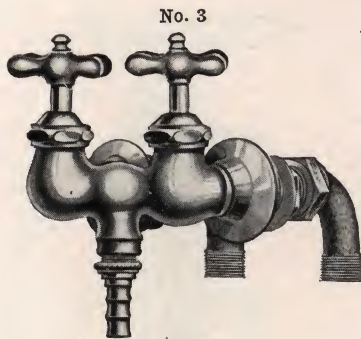


Fig. H-645

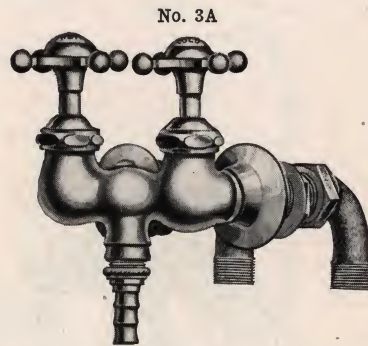


Fig. H-646

| | |
|---|------|
| Price, No. 3 Nickel-plated Compression Double Bath Cocks with Rough Brass Couplings, 1/2-inch I. P. Male.....each | 6.75 |
| Add for Solid China Cross Handles.....per cock | 2.00 |

| | |
|--|------|
| Price, No. 3A Nickel-plated Compression Double Bath Cocks with China Indexed Handles and Rough Brass Couplings, 1/2-inch I. P. Male.....each | 7.75 |
| Add for Solid China Cross Handles.....per cock | 1.00 |

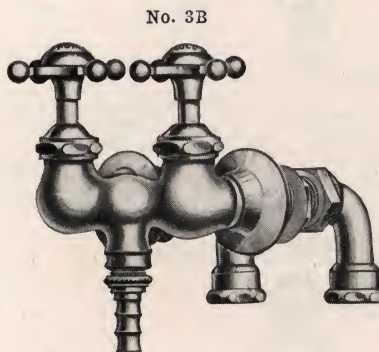


Fig. H-647

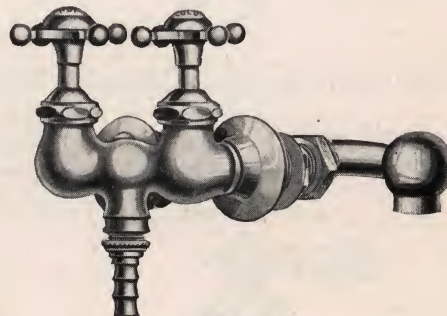


Fig. H-648

| | |
|--|------|
| Price, No. 3B Nickel-plated Compression Double Bath Cocks with China Indexed Handles and Nickel-plated Couplings, 1/2-inch I. P. Female ....each | 9.05 |
|--|------|

| | |
|---|------|
| Price, No. 3C Nickel-plated Compression Double Bath Cocks with China Indexed Handles and Nickel-plated Ball Offset Couplings, 1/2-inch I. P. Female .....each | 9.05 |
|---|------|

| | |
|--|------|
| Add for Stuffing Boxes .....per cock | .80 |
| “ “ Solid China Cross Handles.....per cock | 1.00 |

All above Bath Cocks 3 3/8 inches center to center.

QUATURN QUICK ACTION WORK

COMBINATION FAUCET
AND POP-UP WASTE

Fig. H-650

COMBINATION FAUCET



Fig. H-649

| | | |
|--|------|-------|
| Price, Nickel-plated Combination Faucet with China Handles | each | 11.00 |
| " " " " " and Pop-Up Waste with China Handles | each | 24.00 |
| " " " " " and China Knob | each | 24.00 |

PLAIN BIBBS—FOR IRON PIPE

WITH SHOULDER



Fig. H-651

WITH SET SCREW FLANGE

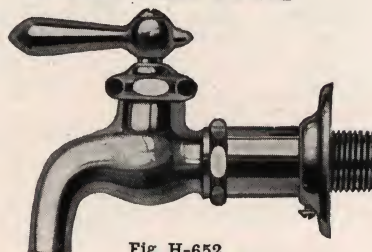


Fig. H-652

| | | | |
|---|-----------|---------------|---------------|
| Size | inches | $\frac{1}{2}$ | $\frac{5}{8}$ |
| Price, Nickel-plated Plain Bibbs, with Shoulder | per dozen | 21.60 | 28.80 |
| " " " " " Hose | " | 24.60 | 31.80 |
| " " " " " Plain " " Set Screw Flange | " | 35.40 | 44.00 |
| " " " " " Hose " " " " " " | " | 37.80 | 48.00 |
| " extra for China Indexed Handles | " | 1.60 | 1.60 |

QUATURN QUICK ACTION WORK

DOUBLE PANTRY COCK

SINGLE PANTRY COCK

SHAMPOO COCK



Fig. H-653



Fig. H-654



Fig. H-655

SHAMPOO COCKS

Price, Nickel-plated, with China Handles, Rubber Tubing and Sprayeach 24.00

PANTRY COCKS

Price, Double, Nickel-plated, with China Handleseach 14.50
 " Single, " " " " " " " 4.25

COMBINATION SHAMPOO COCKS

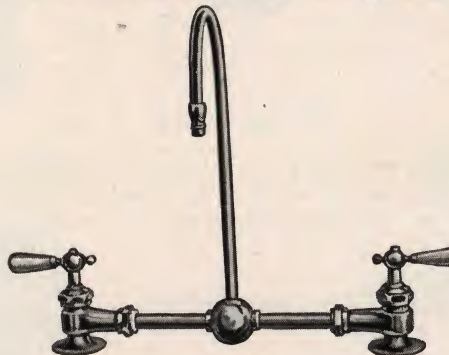


Fig. H-656

Price, Nickel-plated, with China Handleseach 16.50

SINK SUPPLY FITTINGS

QUATURN (QUICK COMPRESSION)

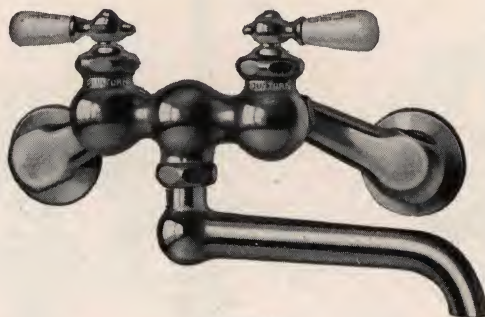


Fig. H-657

This fitting has an adjustment between inlets from 4 to 8½ inches and extends into sink 3¾ inches. The spout has a radius of 6 inches and can be pushed back out of way but not so as to strike against the back of sink. Connections for ½ or ¾-inch iron pipe, male or female.

Price, Nickel-plated, with China Handles, Indexed.....each 10.00



Fig. H-658

This cock, when used with fitting shown below, over the long wash troughs so common in factories of to-day, furnishes to each workman running water, which he can temper to suit himself from hot to cold. It is inexpensive, individual and sanitary.

Price, Rough, Nickel-plated, with Brass Indexed
Handles.....each 2.00

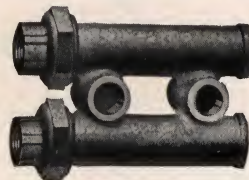


Fig. H-659

Galvanized supply fittings quoted on application.

QUICK COMPRESSION WORK

DOUBLE BATH COCKS WITH CHINA HANDLES—3 $\frac{3}{8}$ INCHES C. TO C.

COUPLING NUT



Fig. H-661

L. P. COUPLING



Fig. H-663

FEMALE I. P. COUPLING



Fig. H-665

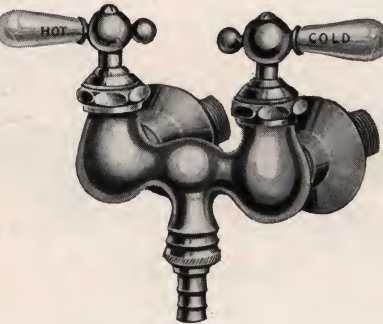


Fig. H-660

45° FEMALE COUPLING



Fig. H-666

90° FEMALE COUPLING



Fig. H-667

TAIL PIECE



Fig. H-662

MALE I. P. COUPLING



Fig. H-664

BALL OFFSET COUPLING



Fig. H-668

| | | | |
|-------------------------------|---------------------------------------|------|------|
| Price, Nickel-plated, | without Couplings, with Locknuts..... | each | 7.50 |
| " " " | with Rough Couplings, Nut..... | " | 7.75 |
| " " " | Finished " "..... | " | 8.00 |
| " " " | Lead Pipe Tail Pieces only..... | " | 8.05 |
| " " " | Rough L. P. Couplings..... | " | 8.30 |
| " " " | " I. P. Male Couplings..... | " | 8.45 |
| " " " | Finished " "..... | " | 8.90 |
| " " " | Rough " Female "..... | " | 9.15 |
| " " " | Finished " " "..... | " | 9.75 |
| " " " | " 45° " "..... | " | 9.75 |
| " " " | " 90° " "..... | " | 9.75 |
| " " " | " Ball Offset Couplings..... | " | 9.75 |
| Deduct for Brass Handles..... | per cock | | 1.00 |

BRASS HANDLE

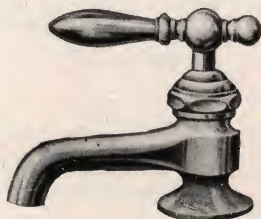


Fig. H-669

BASIN COCKS

CHINA HANDLE

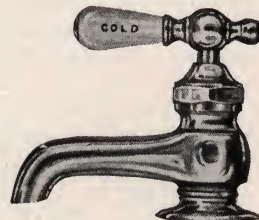


Fig. H-670

| | | |
|-------------------------------|-----------|-------|
| Price, with Brass Handle..... | per dozen | 39.00 |
| " " China "..... | " | 45.00 |

FULLER BIBBS

FOR IRON PIPE

PLAIN BIBB

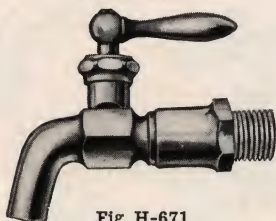


Fig. H-671

HOSE BIBB

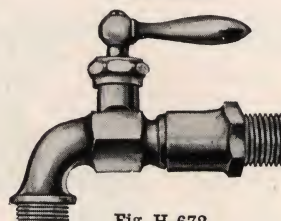


Fig. H-672

PLAIN BIBBS

| | | | | |
|-------------------------------|---------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished.....per dozen | 23.40 | 27.60 | 38.40 | 72.00 |
| " Nickel-plated....." | 28.20 | 32.40 | 45.60 | 81.00 |

HOSE BIBBS

| | | | | |
|-------------------------------|---------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished.....per dozen | 27.00 | 31.20 | 42.00 | 80.40 |
| " Nickel-plated....." | 31.80 | 36.00 | 49.20 | 89.40 |

FOR LEAD PIPE

PLAIN BIBB

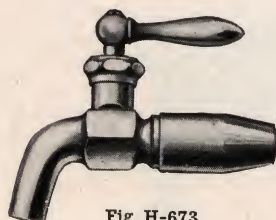


Fig. H-673

HOSE BIBB

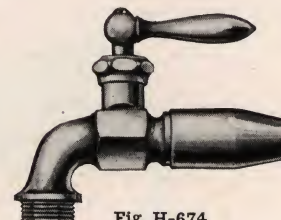


Fig. H-674

PLAIN BIBBS

| | | | | |
|-------------------------------|---------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished.....per dozen | 24.60 | 29.40 | 40.80 | 75.60 |
| " Nickel-plated....." | 29.40 | 34.20 | 48.00 | 84.60 |

HOSE BIBBS

| | | | | |
|-------------------------------|---------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished.....per dozen | 28.20 | 33.00 | 44.40 | 84.00 |
| " Nickel-plated....." | 33.00 | 37.80 | 51.60 | 93.00 |

EXTRA FOR CHINA HANDLES

| | | | | |
|----------------------------|---------------|---------------|---------------|------|
| Size.....inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Extra.....per dozen | 9.00 | 9.00 | 9.00 | 9.00 |

FULLER BIBBS

FOR IRON PIPE, S. O. T.

PLAIN BIBB

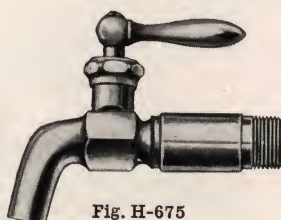


Fig. H-675

HOSE BIBB

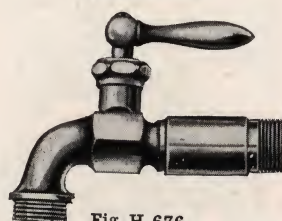


Fig. H-676

PLAIN BIBBS

| | | | | | |
|-------------------------------|-----------|---------------|---------------|---------------|-------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 26.40 | 31.20 | 44.40 | 81.60 |
| " Nickel-plated..... | " | 31.20 | 36.00 | 51.60 | 90.60 |
| Add for Hexagon on Shank..... | " | 1.80 | 1.80 | 1.80 | 3.00 |

HOSE BIBBS

| | | | | | |
|-------------------------------|-----------|---------------|---------------|---------------|-------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 30.00 | 34.80 | 48.00 | 90.00 |
| " Nickel-plated..... | " | 34.80 | 39.60 | 55.20 | 99.00 |
| Add for Hexagon on Shank..... | " | 1.80 | 1.80 | 1.80 | 3.00 |

SOLID FLANGE, FEMALE WITH HEXAGON, FOR IRON PIPE

PLAIN BIBB



Fig. H-677

HOSE BIBB

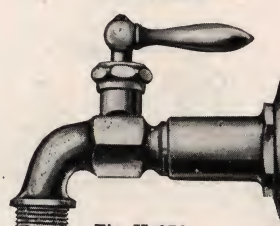


Fig. H-678

PLAIN BIBBS

| | | | | | |
|--------------------------|-----------|---------------|---------------|---------------|-------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 29.40 | 34.80 | 47.40 | 85.20 |
| " Nickel-plated..... | " | 34.20 | 39.60 | 54.60 | 94.20 |
| Add for Male Flange..... | " | 1.80 | 1.80 | 1.80 | 3.00 |

HOSE BIBBS

| | | | | | |
|--------------------------|-----------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 33.00 | 38.40 | 51.00 | 93.60 |
| " Nickel-plated..... | " | 37.80 | 43.20 | 58.20 | 102.60 |
| Add for Male Flange..... | " | 1.80 | 1.80 | 1.80 | 3.00 |

EXTRA FOR CHINA HANDLES

| | | | | | |
|-------------------|-----------|---------------|---------------|---------------|------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Extra..... | per dozen | 9.00 | 9.00 | 9.00 | 9.00 |

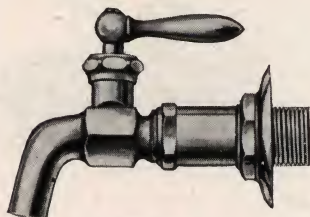
FULLER BIBBS**FOR IRON PIPE****ADJUSTABLE FLANGE WITH HEXAGON****PLAIN BIBB**

Fig. H-679

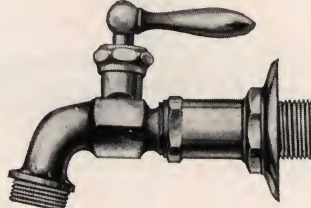
HOSE BIBB

Fig. H-680

PLAIN BIBBS

| | | | | | |
|----------------------|-----------|---------------|---------------|---------------|-------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 32.40 | 38.40 | 49.80 | 90.00 |
| " Nickel-plated..... | " | 37.20 | 43.20 | 57.00 | 99.00 |

HOSE BIBBS

| | | | | | |
|----------------------|-----------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 36.00 | 42.00 | 53.40 | 98.40 |
| " Nickel-plated..... | " | 40.80 | 46.80 | 60.60 | 107.40 |

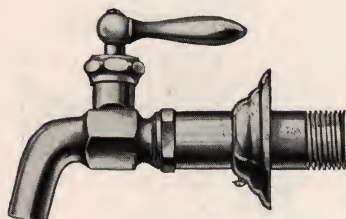
S. O. T., ADJUSTABLE SET-SCREW FLANGE**PLAIN BIBB**

Fig. H-681

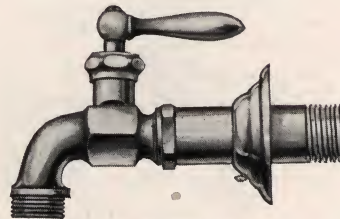
HOSE BIBB

Fig. H-682

PLAIN BIBBS

| | | | | | |
|----------------------|-----------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 33.60 | 39.00 | 52.80 | 96.00 |
| " Nickel-plated..... | " | 38.40 | 43.80 | 60.00 | 105.00 |

HOSE BIBBS

| | | | | | |
|----------------------|-----------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 37.20 | 42.60 | 56.40 | 104.40 |
| " Nickel-plated..... | " | 42.00 | 47.40 | 63.60 | 113.40 |

EXTRA FOR CHINA HANDLES, ETC.

| | | | | | |
|----------------------------------|-----------|---------------|---------------|---------------|------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Add..... | per dozen | 9.00 | 9.00 | 9.00 | 9.00 |
| Deduct for Hexagon on Shank..... | " | 1.80 | 1.80 | 1.80 | 3.00 |

FULLER WASH TRAY BIBBS

FOR IRON PIPE

WITH SHOULDER

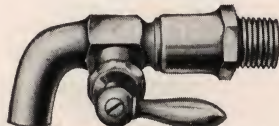


Fig. H-683

SOLID FLANGE, FEMALE

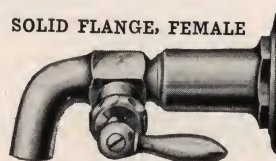


Fig. H-684

| Size..... | inches | 1/2 | 5/8 | 3/4 |
|-------------------------------------|-----------|-------|-------|-------|
| Price, with Shoulder, Finished..... | per dozen | 25.80 | 31.20 | 43.20 |
| " " " Nickel-plated..... | " | 30.60 | 36.00 | 50.40 |
| " Flanged, Female, Finished..... | " | 31.80 | 38.40 | 52.20 |
| " " " Nickel-plated..... | " | 36.60 | 43.20 | 59.40 |
| Add for Male End..... | " | 1.80 | 1.80 | 1.80 |

ADJUSTABLE FLANGE

FLANGED, IRON PIPE, S. O. T

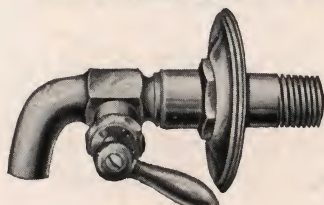


Fig. H-685

FLANGE, NUT AND BENT COUPLING

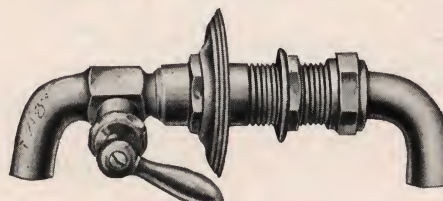


Fig. H-686

| Size..... | inches | 1/2 | 5/8 | 3/4 |
|--|-----------|-------|-------|-------|
| Price, Flanged, Iron Pipe, S. O. T., Finished..... | per dozen | 36.00 | 43.80 | 58.80 |
| " " " " Nickel-plated..... | " | 40.80 | 48.60 | 66.00 |
| " Flange, Nut and Bent Coupling, Finished..... | " | 51.00 | 63.00 | 85.20 |
| " " " " Nickel-plated .. | " | 55.80 | 67.80 | 92.40 |

SOLID FLANGE

IRON PIPE, MALE



Fig. H-687

FLANGE, NUT AND BENT COUPLING

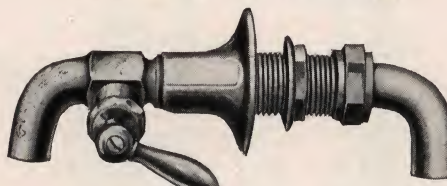


Fig. H-688

| Size..... | inches | 1/2 | 5/8 | 3/4 |
|---|-----------|-------|-------|-------|
| Price, Iron Pipe, Male, Finished..... | per dozen | 31.80 | 38.40 | 52.20 |
| " " " " Nickel-plated..... | " | 36.60 | 43.20 | 59.40 |
| Add for Lead Pipe Thimbles..... | " | 3.00 | 3.60 | 4.20 |
| Price, Flange, Nut and Bent Coupling..... | " | 43.80 | 54.00 | 75.60 |
| " " " " "..... | " | 48.60 | 58.80 | 82.80 |
| Add for China Handles, all sizes..... | per dozen | | | 9.00 |

FULLER BASIN AND PANTRY COCKS

DOUBLE BASIN COCKS

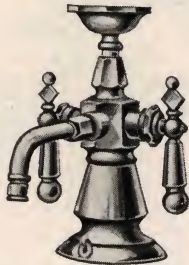
ROUND PATTERN
WITH JEWEL CUP

Fig. H-689

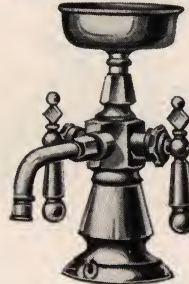
OVAL PATTERN
WITH OVAL SOAP CUP

Fig. H-690

| | | |
|--|-----------|-------|
| Price, Round Pattern, Nickel-plated..... | each | 14.00 |
| Add for Oval Cup | " | 1.00 |
| Price, Oval Pattern, Nickel-plated | " | 16.00 |
| Add for China Handles..... | each cock | 1.50 |

PANTRY COCKS

No. 0, WITH UNION

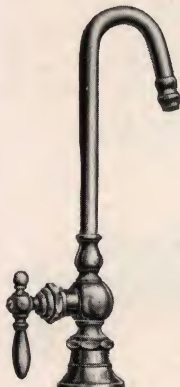


Fig. H-691

No. 1



Fig. H-692

No. 2



Fig. H-693

No. 3 DOUBLE

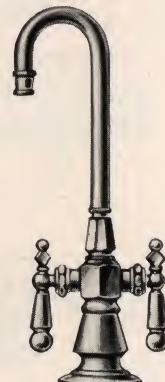


Fig. H-694

| | | | | |
|--|-------|-------|-------|----------|
| Number | 0 | 1 | 2 | 3 Double |
| Price, Nickel-plated.....per dozen | 54.00 | 54.00 | 60.00 | .... |
| " " ".....each | .... | .... | .... | 12.75 |
| Add for Hose End.....per dozen | 3.60 | 3.60 | 3.60 | 3.60 |
| " " Union | 6.00 | 6.00 | .... | .... |
| " " China Handle.....per dozen handles | 9.00 | 9.00 | 9.00 | 9.00 |

FULLER SHAMPOO COCKS

BRACKET COCK
FLANGE AND THIMBLE

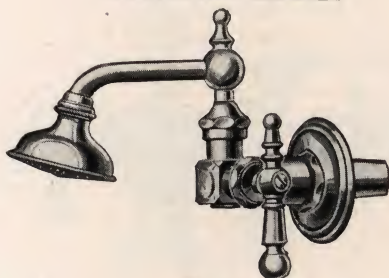


Fig. H-695

DOUBLE SHAMPOO COCK
WITH SWINGING TUBE



Fig. H-696

BRACKET COCKS

| | | |
|--|-----------|-------|
| Price, Nickel-plated, Flange and Thimble, for Lead Pipe..... | per dozen | 81.00 |
| " " " " Nut and Bent Coupling | " | 93.00 |
| Add for China Handles..... | " | 9.00 |

DOUBLE SHAMPOO COCKS

| | | |
|----------------------------|----------|-------|
| Price, Nickel-plated..... | each | 13.50 |
| Add for China Handles..... | per cock | 1.50 |

No. 1
SINGLE BASIN



Fig. H-697

No. 2
DOUBLE BASIN

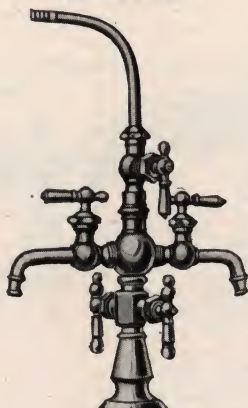


Fig. H-698

No. 12 COMBINATION, DOUBLE
BASIN AND SHAMPOO



Fig. H-699

| | | | |
|--|-------|-------|-------|
| Number..... | 1 | 2 | 12 |
| Price, Nickel-plated.....each | 25.00 | 30.00 | 45.00 |
| Add for China Handles.....each lever | .75 | .75 | .... |
| No. 12 furnished with Compression Basin Cocks at same price. | | | |

FULLER BATH COCKS

No. 4½

3¾ inches Center to Center

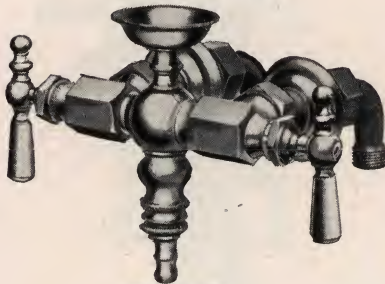
HEXAGON BODY
WITH JEWEL CUP

Fig. H-700

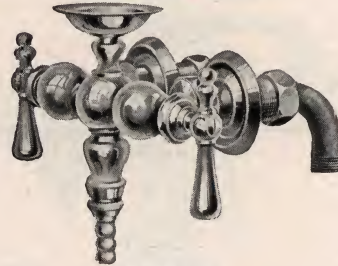
ROUND BODY
WITH JEWEL CUP

Fig. H-701

NUT



Fig. H-702

TAIL PIECE



Fig. H-703

LEAD PIPE COUPLING



Fig. H-704

MALE I. P. COUPLING



Fig. H-705

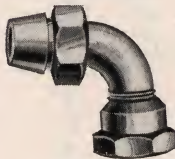
FEMALE
I. P. COUPLING

Fig. H-706

90° FEMALE COUPLING

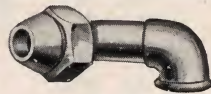


Fig. H-707

45° FEMALE COUPLING



Fig. H-708

BALL OFFSET COUPLING

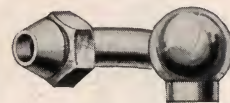


Fig. H-709

| | | | | Hexagon Body | Round Body |
|--|----------|--|--|-----------------|---------------|
| Price, Nickel-plated, without Couplings, with Lock Nuts..... | each | | | 7.50 | 7.00 |
| " " " with Rough Coupling Nuts | " | | | 7.75 | 7.25 |
| " " " " Finished " " | " | | | 8.00 | 7.50 |
| " " " " Lead Pipe Tail Pieces only | " | | | 8.05 | 7.55 |
| " " " " Rough Lead Pipe Couplings..... | " | | | 8.30 | 7.80 |
| " " " " " Iron Pipe Male Couplings..... | " | | | 8.45 | 7.95 |
| " " " " " Finished " " " | " | | | 8.90 | 8.40 |
| " " " " " Rough " " Female " | " | | | 9.15 | 8.65 |
| " " " " " Finished " " " | " | | | 9.75 | 9.25 |
| " " " " " 90° Female Couplings | " | | | 9.75 | 9.25 |
| " " " " " 45° " " | " | | | 9.75 | 9.25 |
| " " " " " Ball Offset " | " | | | 9.75 | 9.25 |
| Add for China Handles..... | per cock | | | 1.50 | 1.50 |

FULLER BASIN COCKS

No. 0



Fig. H-709A

No. 0
WITH CHINA INDEXED TOP



Fig. H-709B

No. 0
WITH UNION

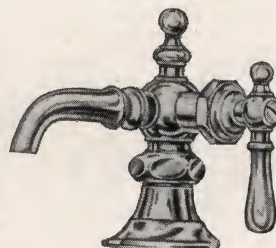


Fig. H-709C

| | | |
|---|-----------|-------|
| Price, No. 0, Nickel-plated | per dozen | 39.00 |
| " " 0, " " with China Indexed Top | " | 45.00 |
| " " 0, " " Union | " | 51.00 |
| " " 0, " " " and China Handle | " | 60.00 |
| " " 0, " " " China Handle and China Index | " | 66.00 |

No. 0
WITH CHINA INDEXED TOP
AND CHINA HANDLE



Fig. H-709D

No. 8

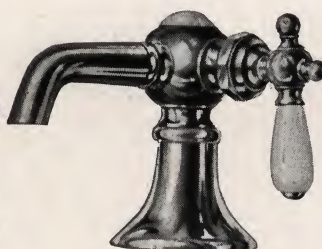


Fig. H-709E

No. 10



Fig. H-709F

| | | |
|---|-----------|--------|
| Price, No. 0, Nickel-plated, with China Handle and China Index..... | per dozen | 54.00 |
| " " 8, " " " " " " " " | " | 72.00 |
| " " 10, " " " " " China Index and China Base.. | " | 120.00 |

Regularly furnished with 1/4-inch iron pipe male rough couplings.

COMPRESSION WORK HANDLES

WHEN SOLD SEPARATELY

CHINA TIP
FOUR-ARM

Fig. H-709G

CHINA BUTTON
FIVE OR SIX-ARM

Fig. H-709H

LARGE CHINA BUTTON
FOUR-ARM

Fig. H-709J

CROSS



Fig. H-709K

| | |
|--|-------|
| Price, Fig. CA-163, China Tip, Four-Arm, Finished or Nickel-plated . . . per dozen | 29.40 |
| " *All China, Four-Arm, Finished or Nickel-plated, Small | 17.40 |
| " " " " " " " " " " Large | 21.00 |
| " Fig. CB-163, China Button, Five or Six-Arm, Finished or Nickel-plated | 25.20 |
| " Fig. CC-163, Large China Button, Four-Arm, Finished or Nickel-plated | 15.00 |
| " *Fig. CC-163, Small, China Button, Four-Arm, Finished or Nickel-plated | 11.40 |
| " Fig. CD-163, Cross, Finished or Nickel-plated | 5.40 |

CHINA BUTTON
BRASS WHEEL

Fig. H-709L

BRASS WHEEL



Fig. H-709M

TEE



Fig. H-709N

| | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|-------|
| Size inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Fig. CE-163, China Button, Brass Wheel, Fin. or N. P. per dozen | 13.80 | 14.40 | 15.00 | 16.20 | 17.40 | 36.60 |
| " Fig. CF-163, Brass Wheel, Heavy, Fin. Two Sides | 6.60 | 7.20 | 7.80 | 9.00 | 10.20 | 30.00 |
| " Fig. CF-163, Brass Wheel, Light, Fin. One Side | 4.80 | 4.80 | 5.40 | 6.60 | 7.80 | 27.00 |
| " Fig. CG-163, Tee, Fin. or N. P. | 2.40 | 2.40 | 2.40 | 3.00 | 3.00 | 6.00 |
| " *Iron Wheel, Japanned | 2.40 | 2.40 | 2.40 | 3.00 | 3.00 | 6.00 |

*Not illustrated

FULLER AND COMPRESSION TRIMMINGS

ECCENTRIC

FULLER REPAIRS

STEM WITH BALL.



| | | | | | |
|-------------------------------|-----------|---------------|---------------|---------------|-------|
| Size of Bibb..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Eccentrics..... | per dozen | 3.00 | 3.60 | 4.20 | 9.00 |
| “ Stem with Ball..... | “ | 3.00 | 3.60 | 4.20 | 9.00 |
| “ “ “ “ for Double Cocks..... | “ | 4.50 | ..... | ..... | ..... |

BALL



CAP



STEM NUT



PACKING



| Size of Bibb.....inches | 1/2 | 5/8 | 3/4 | 1 |
|--|------|------|------|------|
| Price, Special Rubber Balls, for Hot or Cold Water.....per dozen | 1.20 | 1.20 | 1.20 | 2.40 |
| “ Soft Rubber Balls, for Cold Water.....“ | .60 | .60 | .60 | 1.20 |
| “ Hard “ “ Hot “.....“ | 1.20 | 1.20 | 1.20 | 2.40 |
| “ Caps.....“ | .46 | .50 | .60 | .65 |
| “ Stem Nuts.....“ | .30 | .30 | .40 | .50 |
| “ Lead Packing.....“ | .30 | .30 | .30 | .30 |
| “ Composition Packing.....“ | .50 | .50 | .50 | .50 |
| “ Brass Packing.....“ | .50 | .50 | .50 | .50 |

BIBB WASHERS



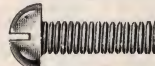
BIBB DISCS



TOP PACKING



BIBB SCREW



NUT



| | | | | | | |
|--|---------|---------------|---------------|---------------|---------------|------|
| Size of Bibb | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Boss Rubber Washers | per 100 | 1.30 | 1.30 | 1.30 | 1.30 | 1.80 |
| “ Jenkins, for Hot or Cold Water | “ | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| “ Fiber Washers | “ | .75 | .75 | .75 | .75 | .75 |
| “ Bibb Discs | “ | 1.00 | 1.30 | 1.50 | 2.00 | 2.40 |
| “ Top Bibb Packing | “ | 1.00 | 1.30 | 1.50 | 2.00 | |

BIBB SCREWS—PRICE, PER DOZEN

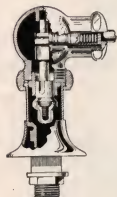
| Screw Gauge No. | Threads to Inch | LENGTH, INCHES | | | | | | | | | |
|--------------------|--------------------|----------------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|--|
| | | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | |
| 6 | 32 | .30 | .30 | .30 | .40 | .40 | .45 | .45 | .50 | .55 | |
| 8 | 32 | .30 | .30 | .30 | .40 | .40 | .45 | .50 | .55 | .60 | |
| 9 | 32 | .30 | .30 | .30 | .40 | .40 | .45 | .50 | .55 | .60 | |
| 10 | 24 | .30 | .30 | .30 | .40 | .40 | .45 | .50 | .55 | .60 | |
| 10 | 28 | .30 | .30 | .30 | .40 | .40 | .45 | .50 | .55 | .65 | |
| 10 | 32 | .30 | .30 | .30 | .40 | .40 | .45 | .50 | .55 | .65 | |
| 12 | 24 | .35 | .35 | .45 | .45 | .45 | .55 | .55 | .60 | .70 | |
| 14 | 20 | .40 | .40 | .50 | .50 | .50 | .60 | .60 | .65 | .75 | |

BRASS BIBB SCREW NUTS, SQUARE, ROUND OR HEXAGON

[illegible]

"PEERLESS" SELF-CLOSING WORK

WITH REVERSIBLE AND INTERCHANGEABLE SEAT



There are no complicated parts to remove when changing washers, as has been the case with most other automatic cocks. The operation is so simple that anyone may make the change—just as simple as any hand manipulated cock.

It does not have to be regulated to high and low pressure; it works perfectly on either.

The spring in this automatic cock is entirely removed from contact with water, thus preventing rust and corrosion. When the cock is closed the spring is practically at rest, a distinct contrast to the continuous tension often found on other self-closing cocks. These two features are material factors in lengthening the life of the "Peerless" Cock.

This new cock has never been known to "hammer." In fact, it cannot "hammer." The spring is so constructed on the stem that all lost motion as a result of wear is constantly taken up.

**BASIN COCK
CHINA HANDLE**

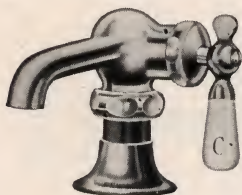


Fig. H-722

bearings wear, but gives the washer more wear during the first few days than during the rest of its life.

Should anyone have a preference for a hand manipulated faucet, the "Peerless" Self-Closing Cock will serve the purpose better than any regular hand manipulated cock on the market. Simply take out the spring, and you have it. The change is as simple as changing washers.

In case the spring in the "Peerless" should ever break, the cock would remain in operation as a hand manipulated faucet until a new spring could be supplied.

Guaranteed for five years continuous operation.

**BASIN COCK
CHINA BASE AND HANDLE**

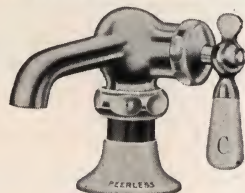


Fig. H-721

By means of the simple but very important locking ring, which is exclusive with the "Peerless," any overstrain on the spring is entirely prevented. No matter what pressure is placed on the handle as it automatically closes the cock, it will never give—it remains perfectly rigid. It is a common practice with people who use the hand manipulated cocks to press down on the handle, even after it has resumed its natural position. This not only gives the

SLOP SINK BIBB

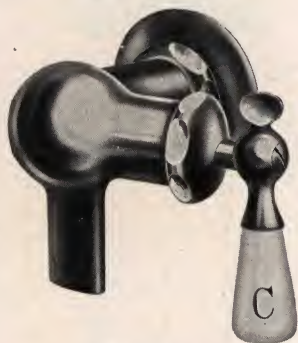


Fig. H-723

| | | |
|--|----------|------|
| Price, Basin Cocks with China Handle and Union | per pair | .... |
| " " " " " " " China Base and Union ..... | " | .... |
| " Sink Bibb with China Handle ..... | " | .... |

FULCRUM HANDLE SELF-CLOSING BIBBS

FOR IRON PIPE

WITH SHOULDER

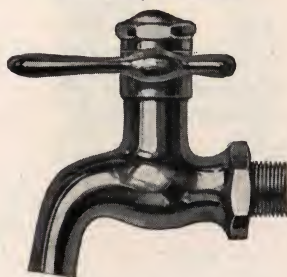


Fig. H-724

DETACHABLE SHANK

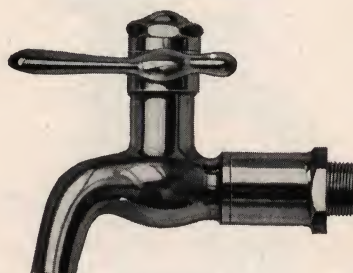


Fig. H-725

| | | | |
|---|-----------|---------------|---------------|
| Size | inches | $\frac{1}{2}$ | $\frac{5}{8}$ |
| Price, with Shoulder, Nickel-plated | per dozen | 34.80 | 40.80 |
| “ Detachable Shank, Nickel-plated | “ | 40.20 | 46.80 |

ADJUSTABLE SCREW FLANGE
DETACHABLE SHANK

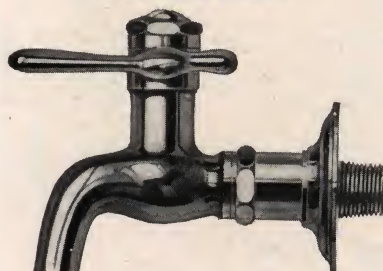


Fig. H-726

SET SCREW FLANGE
DETACHABLE SHANK

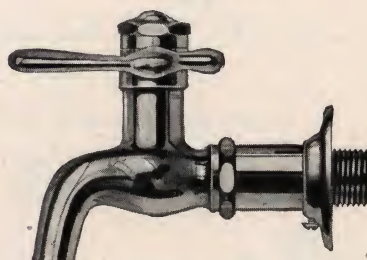


Fig. H-727

| | | | |
|---|-----------|---------------|---------------|
| Size | inches | $\frac{1}{2}$ | $\frac{5}{8}$ |
| Price, Adjustable Screw Flange, Nickel-plated | per dozen | 49.20 | 56.40 |
| “ Set Screw Flange, Nickel-plated | “ | 49.20 | 56.40 |

BOSTON SELF-CLOSING WORK

BASIN COCK



Fig. H-734

URINAL COCK
FOR IRON PIPE



Fig. H-735

| | | |
|---|-----------|-------|
| Price, Basin Cocks, Nickel-plated | per dozen | 47.40 |
| " Urinal " Finished | " | 37.80 |
| " " " Nickel-plated | " | 43.80 |

BIBBS—FOR IRON PIPE

WITH SHOULDER

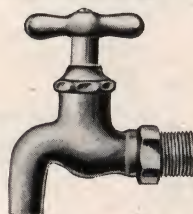


Fig. H-736

SOLID FLANGE, WITH HEXAGON
MALE

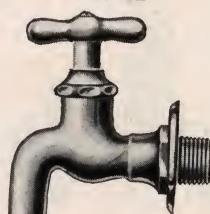


Fig. H-737

FEMALE

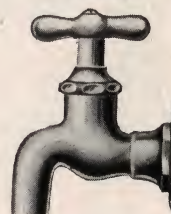


Fig. H-738

WITH SHOULDER

| | | | | | | |
|--------------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished | per dozen | 29.40 | 30.60 | 37.20 | 47.40 | 79.20 |
| " Nickel-plated | " | 35.40 | 36.60 | 43.20 | 55.20 | 89.40 |

SOLID FLANGE, WITH HEXAGON

| | | | | | | |
|--------------------------------|-----------|---------------|---------------|---------------|---------------|--------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Male, Finished | per dozen | 37.20 | 38.40 | 46.20 | 58.20 | 95.40 |
| " " Nickel-plated | " | 43.20 | 44.40 | 52.20 | 66.00 | 105.60 |
| " Female, Finished | " | 35.40 | 36.60 | 44.40 | 56.40 | 92.40 |
| " " Nickel-plated | " | 41.40 | 42.60 | 50.40 | 64.20 | 102.60 |
| Deduct for Hexagon on Shank... | " | 1.80 | 1.80 | 1.80 | 1.80 | 3.00 |

DOHERTY SELF-CLOSING WORK

BASIN COCK

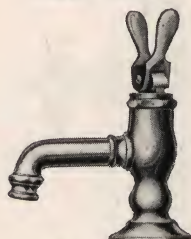


Fig. H-739

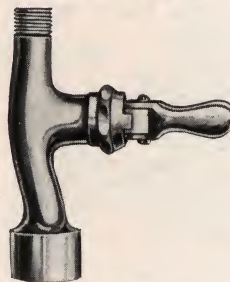
URINAL COCK
FOR IRON PIPE

Fig. H-740

| | | |
|--|-----------|-------|
| Price, Basin Cocks, Nickel-plated..... | per dozen | 52.20 |
| " Urinal " Finished | " | 42.60 |
| " " " Nickel-plated..... | " | 48.60 |

BIBBS—FOR IRON PIPE

WITH SHOULDER

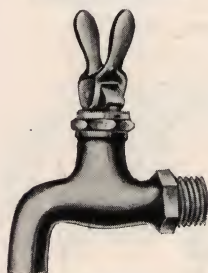


Fig. H-741

SOLID FLANGE, MALE

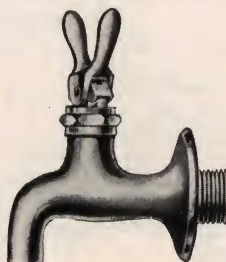


Fig. H-742

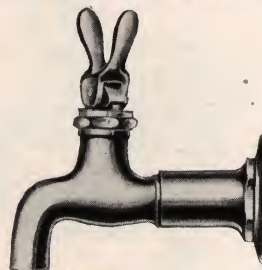
DETACHABLE SHANK
WITH HEXAGON, FEMALE

Fig. H-743

WITH SHOULDER

| | | | | | | |
|----------------------|-----------|---------------|---------------|---------------|---------------|-------|
| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 34.20 | 35.40 | 42.00 | 52.20 | 84.00 |
| " Nickel-plated..... | " | 40.20 | 41.40 | 48.00 | 60.00 | 94.20 |

SOLID FLANGE, MALE

| | | | | | | |
|-------------------------------|-----------|---------------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 40.20 | 41.40 | 49.20 | 61.20 | 97.20 |
| " Nickel-plated..... | " | 46.20 | 47.40 | 55.20 | 69.00 | 107.40 |
| Add for Hexagon on Shank..... | " | 1.80 | 1.80 | 1.80 | 1.80 | 3.00 |

DETACHABLE SHANK WITH HEXAGON, FEMALE

| | | | | | |
|----------------------|-----------|---------------|---------------|---------------|--------|
| Size..... | inches | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Price, Finished..... | per dozen | 47.40 | 56.40 | 70.20 | 108.60 |
| " Nickel-plated..... | " | 53.40 | 62.40 | 78.00 | 118.80 |

TELEGRAPH SELF-CLOSING WORK

BASIN COCKS

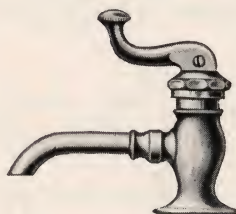


Fig. H-744

Price, Finished or Nickel-plated.....per dozen 36.00
 Regularly furnished with 1/4-inch iron pipe, male rough couplings.

FOR LEAD PIPE

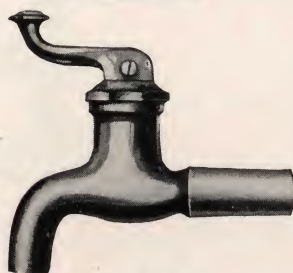


Fig. H-745

BIBBS

FOR IRON PIPE WITH SHOULDER

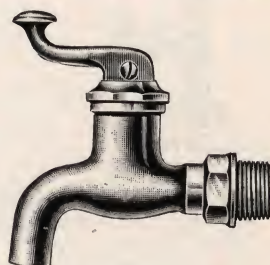


Fig. H-746

| Size..... | inches | 3/8 | 1/2 | 5/8 | 3/4 | 1 |
|----------------------------------|-----------|-------|-------|-------|-------|-------|
| Price, for Lead Pipe, Finished.. | per dozen | 25.80 | 27.00 | 34.20 | 45.00 | 78.00 |
| " " " " Nickel-plated .. | " | 31.80 | 33.00 | 40.20 | 52.80 | 88.20 |
| " " Iron " Finished.. | " | 24.60 | 25.80 | 32.40 | 42.60 | 74.40 |
| " " " " Nickel-plated .. | " | 30.60 | 31.80 | 38.40 | 50.40 | 84.60 |

COOLER COCKS

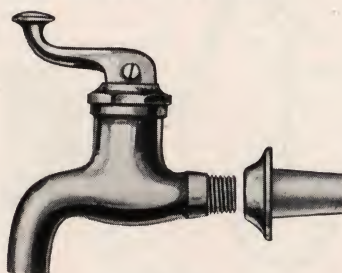


Fig. H-747

| Size..... | inches | 3/8 | 1/2 |
|----------------------|-----------|-------|-------|
| Price, Finished..... | per dozen | 25.00 | 30.00 |
| " Nickel-plated..... | " | 27.50 | 32.50 |

SELF-CLOSING PANTRY AND SHOWER COCKS

PANTRY COCKS

BALL-BEARING



Fig. H-748

BOSTON

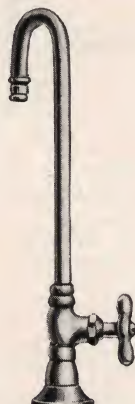


Fig. H-749

DOHERTY

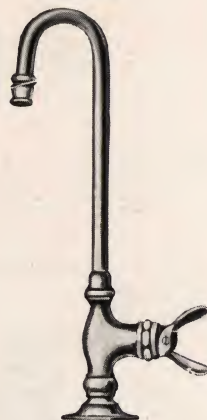


Fig. H-750

| | | |
|---|----------|-------|
| Price, Ball-Bearing, with Four-Arm Handle, Finished and Nickel plated.. | per doz. | 66.50 |
| " " " " Crown Handle, Finished and Nickel-plated.... | " | 69.00 |
| Add for China Index..... | " | 4.00 |
| Price, Boston, Finished or Nickel-plated..... | " | 64.80 |
| " " with Hose End, Finished or Nickel-plated..... | " | 68.40 |
| " Doherty, Finished or Nickel-plated..... | " | 69.60 |
| " " with Hose End, Finished or Nickel-plated..... | " | 73.20 |

LEVER HANDLE SELF-CLOSING SHOWER COCKS

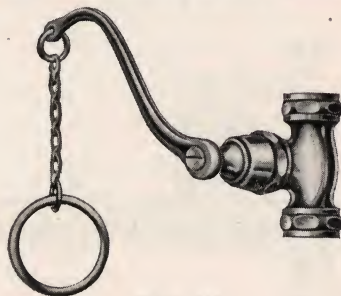
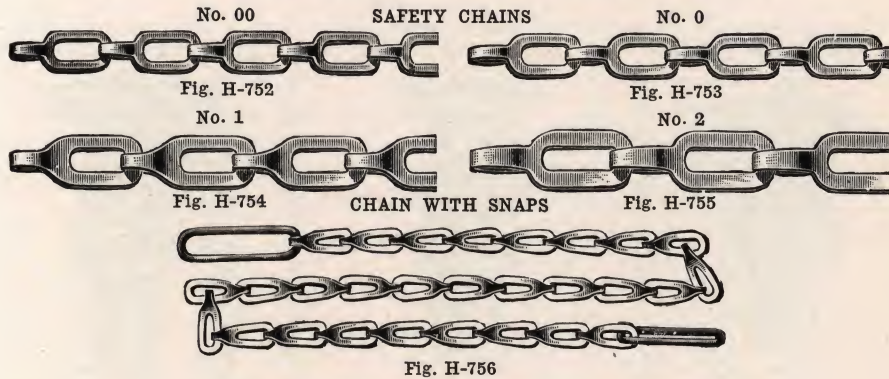


Fig. H-751

| | | | |
|-----------------------|-----------|---------------|---------------|
| Size | inches | $\frac{1}{2}$ | $\frac{5}{8}$ |
| Price, Finished..... | per dozen | 52.80 | 59.40 |
| " Nickel-plated | " | 58.80 | 65.40 |

CHAINS, CHAIN STAYS, ETC.



SAFETY CHAINS, IN BOXES OF 12 YARDS

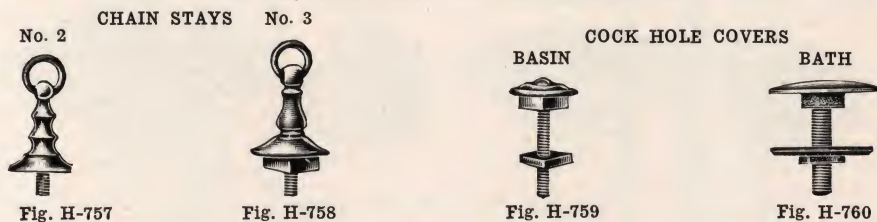
| | | | | |
|--------------------------|------|------|------|------|
| Number..... | 00 | 0 | 1 | 2 |
| Price, Brass.....per box | 1.25 | 1.50 | 1.85 | 2.30 |
| " Nickel-plated....." | 1.50 | 1.75 | 2.10 | 2.80 |

SAFETY CHAINS, ON REELS OF 500 FEET

| | | | | |
|-------------------------------|------|------|------|------|
| Number..... | 00 | 0 | 1 | 2 |
| Price, Brass.....per 100 feet | 3.60 | 4.30 | 5.20 | 6.40 |
| " Nickel-plated....." | 4.10 | 4.80 | 5.70 | 7.40 |

SAFETY CHAINS WITH SNAPS

| | | |
|---------------------------------|-----------|------|
| Price, Nickel-plated Basin..... | per dozen | 1.25 |
| " " " Bath..... | " | 1.95 |
| " " " Wash Tray..... | " | 1.70 |



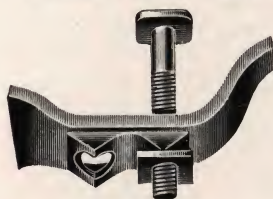
CHAIN STAYS

| | | |
|--------------------------|------|------|
| Number..... | 2 | 3 |
| Price, N. P.....per doz. | 3.60 | 4.20 |

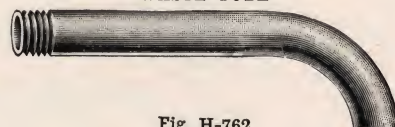
COCK HOLE COVERS

| | | |
|---------------------------|-------|-------|
| Style..... | Basin | Bath |
| Price, N. P.....per dozen | 4.20 | 10.80 |

SUPERIOR BASIN CLAMP



WASTE TUBE



| | |
|--|------|
| Price, Superior Basin Clamps.....per dozen | 2.00 |
| " Waste Tubes, Rough....." | 1.50 |
| " " " Finished....." | 2.00 |

PLUGS WITH RUBBER STOPPERS

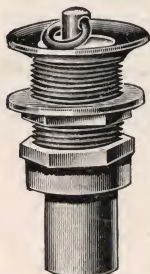
BASIN PLUG
COMMON OVERFLOW

Fig. H-763

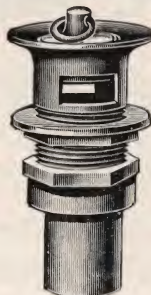
BASIN PLUG
PATENT OVERFLOW

Fig. H-764

WASH TRAY PLUG

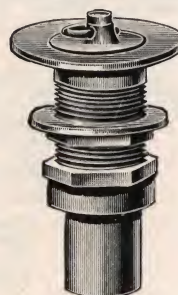


Fig. H-765

BASIN PLUGS

| | | | |
|--|-----------|-------|-------|
| Size | inches | 1 | 1 1/4 |
| Price, Common Overflow, Finished | per dozen | 9.36 | 12.96 |
| " " Nickel-plated | " | 10.80 | 14.40 |
| " Patent " Finished | " | 10.80 | 14.40 |
| " " Nickel-plated | " | 12.96 | 16.56 |

WASH TRAY PLUGS

| | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|
| Size | inches | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Finished | per dozen | 23.76 | 25.92 | 32.40 | 50.40 |
| " Nickel-plated | " | 25.92 | 29.52 | 36.00 | 57.60 |

RUBBER STOPPERS

SINK OR BATH
PLUG

Fig. H-766

WASH TRAY PLUG



Fig. H-767

REGULAR

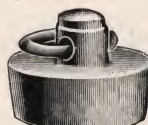


Fig. H-768

SPECIAL



Fig. H-769

SINK OR BATH PLUGS

| | | | | | | | | | |
|-----------------------|-----------|------|------|-------|-------|-------|-------|-------|-------|
| Size | inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| Price, Finished | per dozen | 2.88 | 2.88 | 3.60 | 5.04 | 10.08 | 18.00 | 21.60 | 43.20 |
| " Nickel-plated .. | " | 3.60 | 3.60 | 4.32 | 5.76 | 11.52 | 20.88 | 25.20 | 50.40 |

WASH TRAY PLUGS

| | | | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|-------|-------|
| Size | inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| Price, Finished | per dozen | 7.20 | 8.64 | 12.96 | 21.60 | 27.36 | 54.00 |
| " Nickel-plated | " | 9.36 | 10.80 | 16.56 | 25.20 | 32.40 | 64.80 |

REGULAR RUBBER STOPPERS

| | | | | | | | | | | |
|-------------|-----------|------|------|------|-------|-------|-------|------|-------|------|
| Size | inches | 3/4 | 7/8 | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price | per dozen | 1.44 | 1.44 | 1.44 | 1.56 | 1.80 | 2.28 | 3.24 | 4.20 | 5.40 |

SPECIAL RUBBER STOPPERS

| | | | | | |
|-------------------------|-----------|------|------------------------|-----------|------|
| Price, Basin Size | per dozen | 4.00 | Price, Bath Size | per dozen | 6.00 |
|-------------------------|-----------|------|------------------------|-----------|------|

BATH FITTINGS

COMPRESSION

BOTTOM BELL SUPPLY AND WASTE

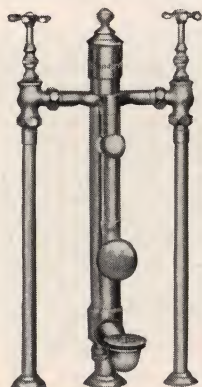


Fig. H-770

TOP SUPPLY AND WASTE

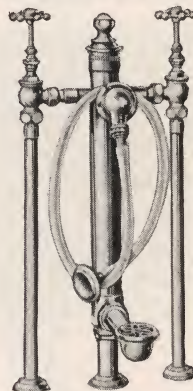


Fig. H-771

| | With 1/2-inch Supply Pipes | With 3/4-inch Supply Pipes |
|--|-------------------------------|-------------------------------|
| Price, Bottom Bell Supply and Waste, N. P., with China Indexes | 17.00 | 18.00 |
| " Top Supply and Waste, N. P., with China Indexes, Rubber Hose and Sprinkler..... | 18.00 | 19.00 |
| If with China Cross Handles and China Knob on Waste, add... | 3.50 | 3.50 |
| " to be fitted through Rim, add..... | 2.00 | 2.00 |

FULLER

BOTTOM BELL SUPPLY AND WASTE

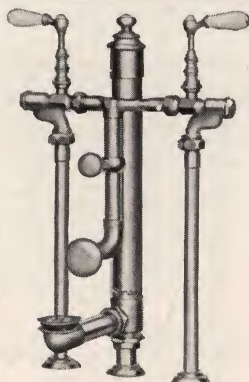


Fig. H-772

TOP SUPPLY AND WASTE

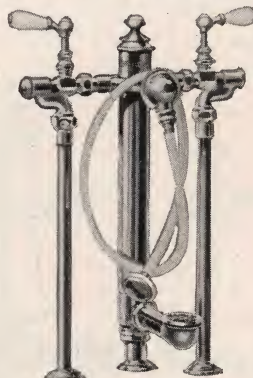
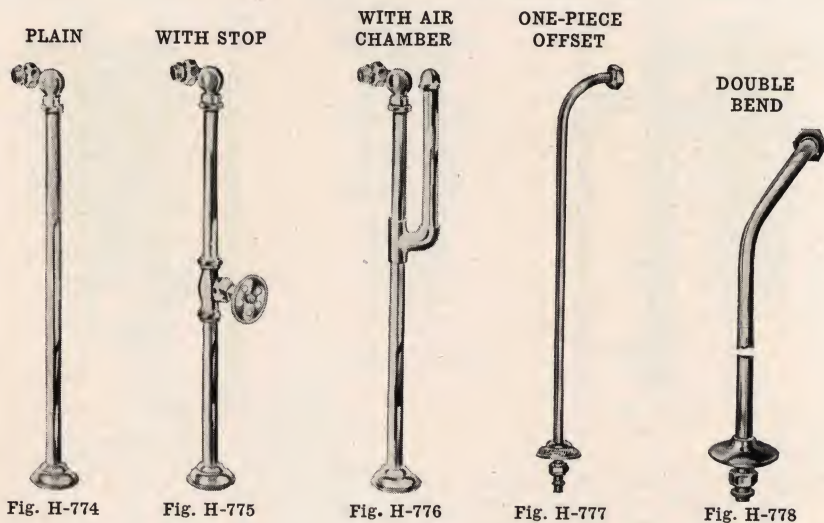


Fig. H-773

| | With 1/2-inch Supply Pipes | With 3/4-inch Supply Pipes |
|---|-------------------------------|-------------------------------|
| Price, Bottom Bell Supply and Waste, N. P., with China Handles and Indexes and China Index on Waste..... | 25.00 | 26.00 |
| " Top Supply and Waste, N. P., with China Handles and Indexes and China Index on Waste, Rubber Hose and Sprinkler | 26.00 | 27.00 |
| If with China Knob on Waste, add..... | 1.00 | 1.00 |
| " to be fitted through Rim, add..... | 4.50 | 5.00 |

BATH FITTINGS

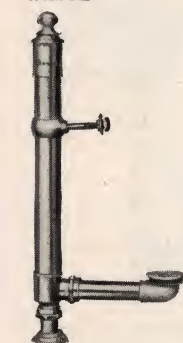
SUPPLY PIPES



| | Plain | With Stop | With Air Chamber | With Stop and Air Chamber | One-Piece Offset | Double Bend |
|------------------------------------|-------|-----------|------------------|---------------------------|------------------|-------------|
| Price, Nickel-plated..... per pair | 4.25 | 8.75 | 8.25 | 12.75 | 4.00 | 2.25 |

Straight, 45° elbows, or 90° elbows, same price as above, except on one-piece offset and double bend.

STANDING WASTE

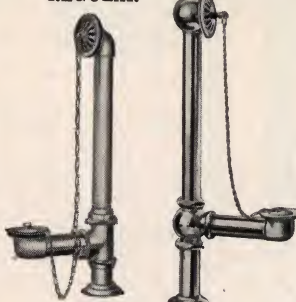


WITH TRAP



CONNECTED WASTE AND OVERFLOW

"FEMCO" PLAIN REGULAR



"FEMCO" ADJUSTABLE



Fig. H-779

Fig. H-780

Fig. H-781 Fig. H-782

Fig. H-783

| | |
|---|------|
| Price, Standing Waste, with China Indexed Knob..... | 7.00 |
| Add for China Knob..... | 1.00 |
| Price, Connected Waste and Overflow with Trap..... | 6.00 |
| " " " " " Regular..... | 2.50 |
| " " " " " "Femco" Plain..... | 2.70 |
| " " " " " Adjustable..... | 3.00 |

LAVATORY FITTINGS

FULLER COMBINATION SUPPLY AND WASTE FITTINGS

No. 7



Fig. H-784

No. 8

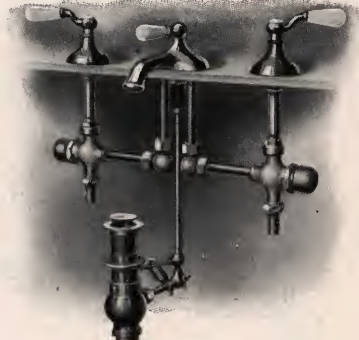


Fig. H-785

- No. 7 Fuller Combination Supply and Waste Fitting with China Handles, each 17.00
If with China Escutcheons, add .50; if for Porcelain Lavatory, add .50.
- No. 8 Fuller Combination Supply and Pop-Up Waste Fitting with China Handles, each 17.00
If for Porcelain Lavatory, add 1.00.

COMPRESSION SUPPLY AND WASTE FITTING

IDEAL WASTE

POP-UP WASTE



Fig. H-786

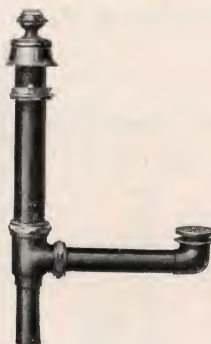


Fig. H-787



Fig. H-788

- Compression Supply and Waste Fitting with China Indexed Handles and China Knob, each 16.00
If with China Cross Handles on Valves, add 1.00; if with China Cross Handles on Waste, add 1.00; if with China Escutcheons, add .50; if for Porcelain Lavatory, add .50.
- Ideal Basin Waste with China Index, each 3.50
If with China Knob, add .40; if China Tipped Cross Handles, add 1.00; if with Full China Cross Handles, add 1.25; if for Porcelain Lavatory, add .50.
- Pop-Up Waste with China Handle, each 3.50
If with China Cross Handle, add 1.00; if for Porcelain Lavatory, add 1.00.

LAVATORY SUPPLY PIPES

TO FLOOR

PLAIN
5/16-INCH O. D.

Fig. H-789

PLAIN



Fig. H-790

WITH STOP



Fig. H-791

WITH AIR
CHAMBER

Fig. H-792

WITH STOP
AND AIR CHAMBER

Fig. H-793

| Price, 5/16-inch O. D., Nickel-plated....per pair | Plain | With Stop | With Air Chamber | With Stop and Chamber Air Chamber |
|---|-------|-----------|---------------------|--------------------------------------|
| " 3/8 " I. P. Size " " " | 3.00 | .... | .... | .... |
| | 3.15 | 7.15 | 6.50 | 10.50 |

TO WALL

PLAIN



Fig. H-794

WITH STOP



Fig. H-795

WITH AIR
CHAMBER

Fig. H-796

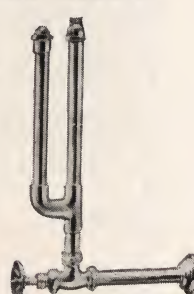
WITH STOP
AND AIR CHAMBER

Fig. H-797

| Price, Nickel-plated.....per pair | Plain | With Stop | With Air Chamber | With Stop and Chamber Air Chamber |
|--|-------|-----------|---------------------|--------------------------------------|
| Add for Four-Ball China Indexed Handles.....per pair | 3.15 | 7.15 | 6.50 | 10.50 |
| " " China Tipped Four-Arm " | | | | 1.00 |
| | | | | 4.00 |

CONTINUOUS LAVATORY WASTES

FOR TWO BASINS, OUTLET IN CENTER

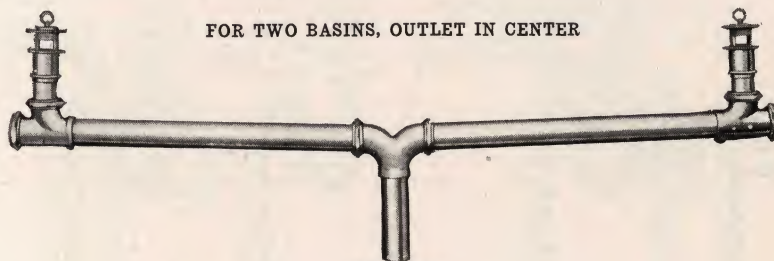


Fig. H-798

FOR THREE BASINS, OUTLET ON END

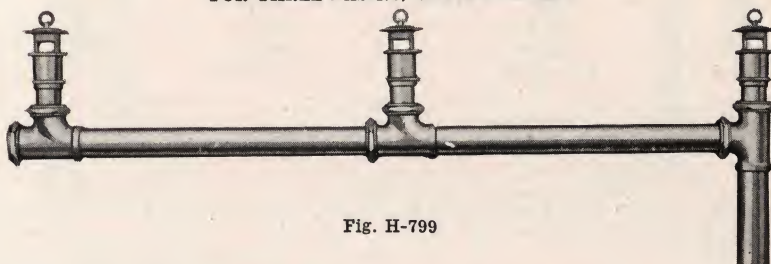


Fig. H-799

FOR THREE BASINS, OUTLET IN CENTER

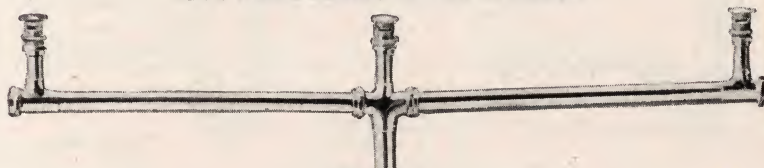


Fig. H-800

FOR LAVATORIES IN BATTERIES—THREE BASINS EACH SECTION,
OUTLET ON END

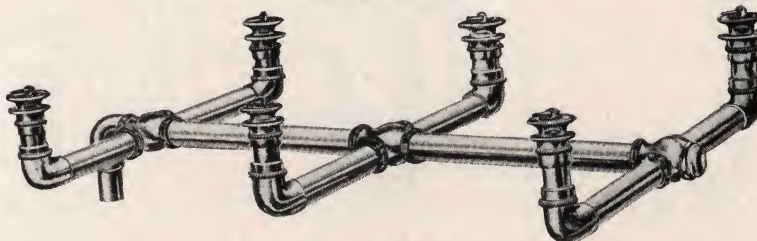


Fig. H-801

In ordering, always specify whether with outlet on end or in center; be particular to give distance from center to center.

Prices on application.

BRASS TRAPS

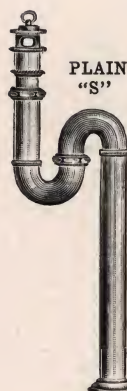


Fig. H-802

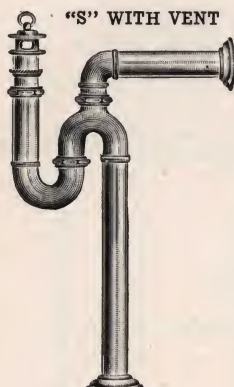


Fig. H-803

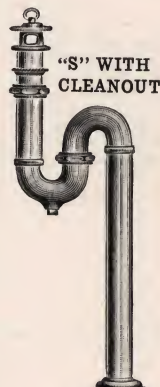


Fig. H-804

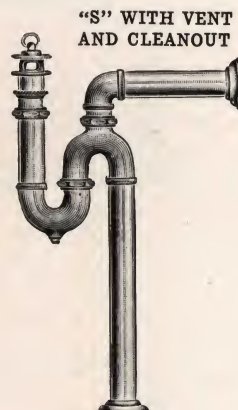


Fig. H-805

| | | | |
|---|--------|-------|-------|
| Size..... | inches | 1 1/4 | 1 1/2 |
| Price, Plain "S," Nickel-plated..... | each | 5.25 | 6.55 |
| " " "S" with Vent, Nickel-plated..... | " | 6.85 | 9.00 |
| " " "S" " Cleanout, " "..... | " | 5.65 | 6.95 |
| " " "S" " Vent and Cleanout, Nickel-plated..... | " | 7.25 | 9.40 |

P. O. plugs for "S" traps furnished with 2 1/2-inch slip connections for lavatories and 5-inch slip connections for sinks.

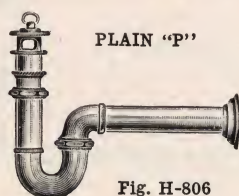


Fig. H-806

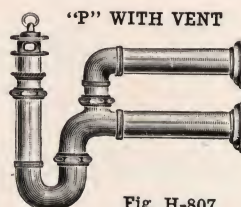


Fig. H-807

| | | | |
|---------------------------------------|--------|-------|-------|
| Size..... | inches | 1 1/4 | 1 1/2 |
| Price, Plain "P," Nickel-plated..... | each | 4.15 | 5.20 |
| " " "P" with Vent, Nickel-plated..... | " | 6.20 | 8.35 |



Fig. H-808

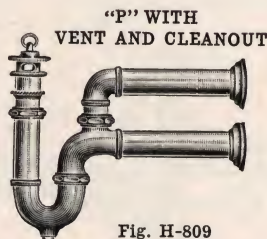


Fig. H-809



Fig. H-810

| | | | |
|---|--------|-------|-------|
| Size..... | inches | 1 1/4 | 1 1/2 |
| Price, "P" with Cleanout, Nickel-plated..... | each | 4.55 | 5.60 |
| " " "P" " Vent and Cleanout, Nickel-plated..... | " | 6.60 | 8.75 |

P. O. plugs for "P" traps furnished with 4-inch slip connections for lavatories and 5-inch slip connections for sinks.

Patent overflow plugs or sink connections furnished with traps at same price.

CAST BRASS TRAPS

ADJUSTABLE PLAIN BAG "S"



Fig. H-811

FLASK WITH VENT,
WASTE TO FLOOR



Fig. H-812

| Size | inches | 1 1/4 | 1 1/2 |
|--|--------|-------|-------|
| Price, Nickel-plated Adjustable Plain Bag "S" Traps..... | each | 4.05 | 5.40 |
| If with P. O. Basin Plug, add | | .75 | .75 |
| " " Vent, add | | 1.05 | 1.20 |
| Price, Nickel-plated Vented Flask Trap with Waste to Floor | each | 5.70 | 6.90 |
| If with P. O. Basin Plug, add | | .75 | .75 |
| " without Vent, deduct | | .75 | .75 |

ADJUSTABLE
PLAIN BAG "P"

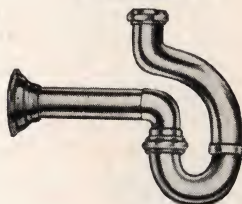


Fig. H-813

ADJUSTABLE
PLAIN BAG "P"
OUTLET I. P. FEMALE



Fig. H-814

FLASK WITH
VENT AND WASTE
TO WALL



Fig. H-815

| Size | inches | 1 1/4 | 1 1/2 |
|---|--------|-------|-------|
| Price, Nickel-plated Adjustable Plain Bag "P" Traps..... | each | 3.75 | 4.50 |
| If with Vent, add | | 1.05 | 1.20 |
| Price, Nickel-plated Adjustable Plain Bag "P" Traps Outlet I. P. Female, each | | 3.75 | 4.65 |
| If with P. O. Basin Plug, add | | .75 | .75 |
| Price, Nickel-plated Vented Flask Traps with Waste to Wall | each | 5.70 | 6.90 |
| If with P. O. Basin Plug, add | | .75 | .75 |
| " without Vent, deduct | | .75 | .75 |

BRASS TRAPS

CLEAN SWEEP TRAPS

FULL "S"
Without Vent

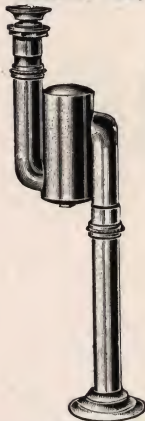


Fig. H-816

HALF "S" OR "P"
For Iron Pipe Connection
Without Vent

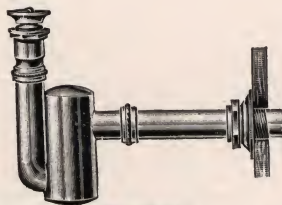


Fig. H-817

HALF "S" OR "P"
With Vent
Waste and Vent
At Side

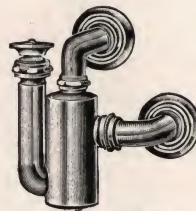


Fig. H-818

| Size.....inches | 1 1/4 | 1 1/2 | 2 |
|---|-------|-------|-------|
| Price, Nickel Plated, "S" without Vent.....each | 5.60 | 7.80 | 11.25 |
| " " " "S" with "....." | 6.70 | 8.75 | 13.50 |
| " " " "1/2" "S" without Vent....." | 5.00 | 6.90 | 10.80 |
| " " " "1/2" "S" with "....." | 6.30 | 8.35 | 13.50 |
| " " " "1/2" "S" Waste at Side without Vent...." | 5.30 | 7.30 | 11.30 |
| " " " "1/2" " " " with "...." | 6.70 | 9.00 | 14.60 |

If without Basin Plug, deduct 50 cents.

ADJUSTABLE CENTRIFUGAL TRAPS

FULL "S"
Without Vent



Fig. H-819

HALF "S" OR "P"
Without Vent

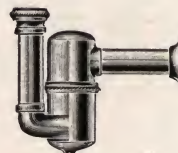


Fig. H-820

| Size.....inches | 1 1/4 | 1 1/2 | 2 |
|---|-------|-------|-------|
| Price, Nickel Plated, "S" without Vent.....each | 6.00 | 8.00 | 12.50 |
| " " " "S" with "....." | 7.50 | 9.75 | 15.25 |
| " " " "1/2" "S" without Vent....." | 5.20 | 7.00 | 11.00 |
| " " " "1/2" "S" with "....." | 7.15 | 9.40 | 14.75 |

If with Basin Plug, add 50 cents.

BASIN COCK CONNECTIONS

GROUND JOINT COUPLINGS

MALE



Fig. H-821

FEMALE



Fig. H-822

SLIP JOINT COUPLINGS

TO FLOOR



Fig. H-823

TO WALL



Fig. H-824

| Price, Ground Joint Couplings, I. P. Male.....per dozen | | | | Rough Nickel-plated | Finished Nickel-plated |
|---|---|---|---|---------------------|------------------------|
| " | " | " | " | 3.60 | 4.80 |
| " | " | " | " | 6.60 | 9.00 |
| " | " | " | " | 7.80 | 10.20 |
| " | " | " | " | 3.60 | 4.80 |
| " | " | " | " | 1.80 | 2.40 |
| " | " | " | " | 1.80 | 2.40 |
| " | " | " | " | 6.60 | 9.00 |
| " | " | " | " | 6.00 | 9.00 |

SLIP JOINT ELBOW

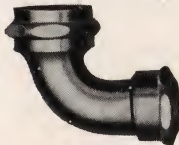


Fig. H-825

PLAIN SLIP JOINT COUPLING



Fig. H-826

FLANGED SLIP JOINT COUPLING



Fig. H-827

| Size, I. P. Thread.....inches | | | | 3/8 | 1/2 | 3/4 | 1 |
|-------------------------------|---|---|---|------------|------------|----------|------------|
| " | " | " | " | 3/8 to 1/2 | 1/2 to 3/4 | 3/4 to 1 | 1 to 1 1/8 |
| " | " | " | " | 9.60 | 10.20 | 10.20 | 10.80 |

SLIP JOINT ELBOWS

| Size, I. P. Thread.....inches | | | | 3/8 | 1/2 | 3/4 | 1 |
|-------------------------------|---|---|---|------------|------------|----------|------------|
| " | " | " | " | 3/8 to 1/2 | 1/2 to 3/4 | 3/4 to 1 | 1 to 1 1/8 |
| " | " | " | " | 9.60 | 10.20 | 10.20 | 10.80 |

SLIP JOINT COUPLINGS

| Size, I. P. Thread.....inches | | | | 3/8 | 1/2 | 3/4 | 1 |
|-------------------------------|---|---|---|------------|------------|----------|------------|
| " | " | " | " | 3/8 to 1/2 | 1/2 to 3/4 | 3/4 to 1 | 1 to 1 1/8 |
| " | " | " | " | 6.60 | 7.20 | 8.40 | 9.00 |
| " | " | " | " | 10.20 | 10.80 | 12.00 | 12.60 |
| " | " | " | " | 13.80 | 18.00 | 21.00 | 21.00 |

SLIP JOINT NUT



Fig. H-828

PLAIN REDUCER



Fig. H-829

HEXAGON REDUCER



Fig. H-830

| Size, I. P. Thread.....inches | | | | 3/8 | 1/2 | 3/4 | 1 |
|-------------------------------|---|---|---|------------|------------|----------|------------|
| " | " | " | " | 3/8 to 1/2 | 1/2 to 3/4 | 3/4 to 1 | 1 to 1 1/8 |
| " | " | " | " | 1.80 | 2.40 | 3.00 | 4.20 |
| " | " | " | " | 2.40 | 3.00 | 4.20 | 5.40 |

REDUCERS

| Size, Iron Pipe.....inches | | | | 3/8x1/4 | 1/2x1/4 |
|----------------------------|---|---|---|---------|---------|
| " | " | " | " | 2.40 | 3.60 |
| " | " | " | " | 3.60 | 4.80 |

NICKEL-PLATED FLANGES, ETC.

CANOPY FLANGES WITH SET SCREW

PLAIN



Fig. H-831



Fig. H-832

PLAIN
BIBB FLANGES
WITH SET SCREW

Fig. H-833



Fig. H-834

2½-INCH PLAIN CANOPY FLANGES

| | | | | | |
|-------------------------|---------|---------|---------|---------|---------|
| Size of Hole.....inches | ¼ I. P. | ⅜ I. P. | ½ I. P. | ⅝ O. D. | ¾ O. D. |
| Price per 100..... | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Size of Hole.....inches | ½ O. D. | ⅝ O. D. | ⅞ O. D. | ¾ O. D. | .... |
| Price per 100..... | 3.00 | 3.00 | 3.00 | 3.00 | .... |

3-INCH PLAIN CANOPY FLANGES

| | | | | |
|-------------------------|----------|---------|----------|----------|
| Size of Hole.....inches | ½ I. P. | ¾ I. P. | 1 I. P. | 1¼ I. P. |
| Price per 100..... | 4.50 | 4.50 | 4.50 | 4.50 |
| Size of Hole.....inches | 1½ I. P. | 1 O. D. | 1¼ O. D. | 1½ O. D. |
| Price per 100..... | 4.50 | 4.50 | 4.50 | 4.50 |

CANOPY FLANGES WITH SET SCREW

| | | | | | | | |
|--------------------|-----|-------|-------|-----|-----|-----|-----|
| Size of Hole...in. | ⅞ | 21/32 | 27/32 | 1 | 1¼ | 1⅜ | 1½ |
| Diameter....in. | 2½ | 2½ | 2½ | 3 | 3 | 3 | 3 |
| Price.....each | .33 | .33 | .33 | .36 | .42 | .42 | .45 |

BIBB FLANGES

| | | | | |
|-------------------------|-------|-----|-------|------|
| Size of Hole.....inches | 11/16 | 7/8 | 15/16 | 11/8 |
| Diameter.....inches | 2⅜ | 2⅜ | 2⅜ | 2⅜ |
| Price, Plain.....each | .13 | .13 | .... | .13 |
| " with Set Screw....." | .18 | .18 | .18 | .18 |

CLOSET SPUD FLANGE



Fig. H-835

CLOSET SPUD REDUCER



Fig. H-836

CLOSET SPUD FLANGES

| | | | | |
|-------------------------------------|--------|-------|--------|-------|
| Size.....inches | 2 1/64 | 2 1/4 | 2 5/16 | 2 5/8 |
| Price, 3½-inch Diameter.....per 100 | 8.00 | 8.00 | 8.00 | 8.00 |

CLOSET SPUD REDUCERS

| | | |
|-----------------------|------|------|
| Size.....inches | 2x1¼ | 2x1½ |
| Price, Rough.....each | .90 | .90 |
| " Finished....." | .95 | .95 |

GREASE TRAPS



Fig. H-837



Fig. H-838

FIG. H-837

Brass trap, with removable top, 2-inch inlet, outlet and vent connections. Diameter, 5 inches. Height, 10 inches.

| | |
|--|-------|
| Price, as described, Polished Brass..... | 16.00 |
| " " " Nickel-plated..... | 18.00 |

FIG. H-838

Cast iron trap with removable top and swivel bolts. Diameter, 17 inches. Height, 13 inches.

| | |
|-----------------------------|-------|
| Price, Enameled Inside..... | 11.00 |
| " " " and Outside..... | 17.00 |
| " Painted " " "..... | 7.00 |

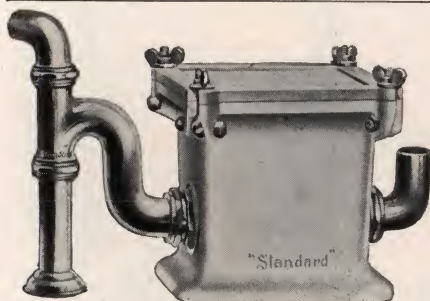


Fig. H-839

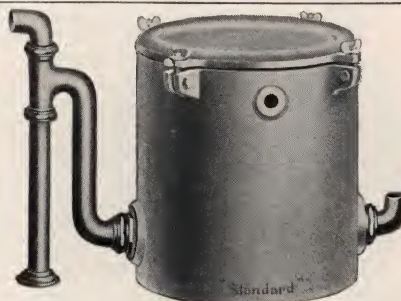


Fig. H-840

FIG. H-839

Cast iron trap with removable top and swivel bolts, brass inlet, outlet and vent connections. Length, 13 inches. Width, 10 inches. Height, 10 inches.

| | |
|--|-------|
| Price, Enameled Inside..... | 13.00 |
| " " " and Outside..... | 16.00 |
| If with 2-inch Connections, add..... | 2.50 |
| " " Nickel-plated Connections (both sizes), add..... | 1.50 |

FIG. H-840

Cast iron trap with water jacket, removable top and swivel bolts, 2-inch brass inlet, outlet and vent connections. Diameter, 18 3/4 inches. Height, 17 inches.

| | |
|---|-------|
| Price, Enameled All Over, as described..... | 65.00 |
| " " Inside, with Spuds only..... | 35.00 |
| If with Nickel-plated Connections, add..... | 3.00 |

CAST IRON TRAPS

"S" TRAPS

WITH BELL END

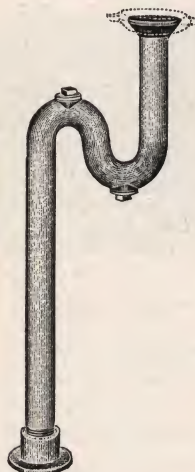


Fig. H-841

WITH SLIP JOINT NUT

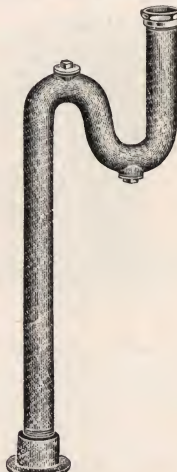


Fig. H-342

| Size | inches | 1¼ | 1½ |
|---|--------|------|------|
| Price, Painted, with Bell End | each | 1.50 | 2.00 |
| " " Threaded both Ends | " | 1.50 | 2.00 |
| " " with Nickel-plated Slip Joint Nut | " | 1.75 | 2.30 |
| " " " Basin Plug | " | 2.25 | 2.85 |
| Add for Galvanized or White Enamel | " | .75 | .90 |
| " " Vent | " | .55 | .55 |
| " " I. P. Sink Collar | " | .25 | .25 |

"P" TRAPS

WITH BELL END



Fig. H-843

WITH SLIP JOINT



Fig. H-844

WITH I. P. ENDS



Fig. H-845

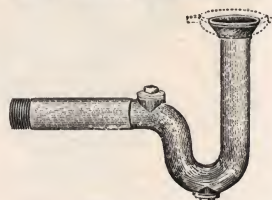
WITH LONG OUTLET
AND DOUBLE CLEANOUT

Fig. H-846

| Size | inches | 1¼ | 1½ |
|---|--------|------|------|
| Price, Painted, with Bell End | each | .75 | 1.00 |
| " " Slip Joint Nut | " | 1.00 | 1.30 |
| " " Threaded Ends | " | .75 | 1.00 |
| Add for Galvanized or White Enamel | " | .40 | .50 |
| " " Double Cleanout | " | .35 | .35 |
| Price, Painted, with P. O. Basin Plug | " | 1.50 | 1.85 |
| " " Long Outlet and Double Cleanout | " | 1.50 | 2.00 |
| Add for Galvanized or White Enamel | " | .75 | .90 |

CAST IRON TRAPS

DRUM TRAPS

WITH NICKEL-PLATED BRASS PROJECTING FLANGE COVERS

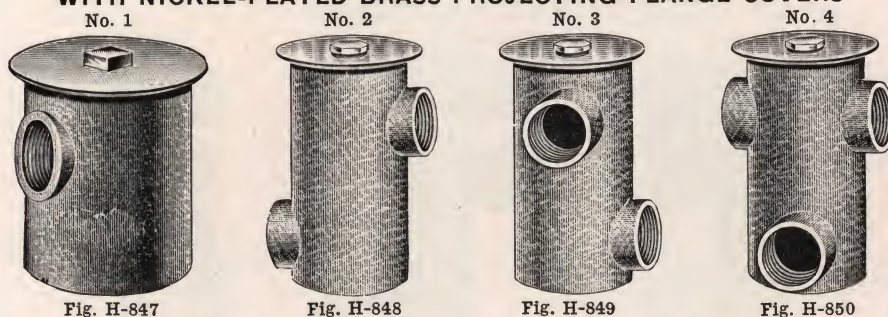


Fig. H-847

Fig. H-848

Fig. H-849

Fig. H-850

No. 1—4 1/4-IN. DIAM., 5 1/4 IN. HIGH

Nos. 2 TO 4

| Size, Threaded Inlet.....inches | 1 1/4 | 1 1/2 | Size of Body.....inches | 4x8 1/2 | 4x10 |
|---------------------------------|-------|-------|---|---------|------|
| Price, Painted.....each | 2.25 | 2.25 | Price, No. 2.....each | 2.50 | 2.75 |
| Add for Galvanized....." | 1.00 | 1.00 | " " 3....." | 2.50 | 2.75 |
| " " N. P. Slip Joint | | | " " 4....." | 2.75 | 3.00 |
| Sleeve 5 inches Long.." | .70 | .85 | Add for Galvanized....." | 1.00 | 1.25 |
| ..... | ..... | ..... | Add for N. P. Extension Floor Flange. " | 1.25 | 1.25 |

Nos. 2 to 4 traps are threaded for 3-inch iron pipe to receive 3-inch plug for testing purposes.

WITH NICKEL-PLATED BRASS COVERS AND INLET CONNECTIONS



Fig. H-851

Fig. H-852

Fig. H-853

Fig. H-854

| | |
|---|------|
| Price, No. 5, Waste, 1 1/2-in. I. P., Tail Piece for 1 1/4, 1 3/8 or 1 1/2-in. Connected Waste and Overflow..each | 2.50 |
| " " 6, Waste and Vent, 1 1/2-in. I. P., Tail Piece for 1 1/4, 1 3/8 or 1 1/2-in. Connected Waste and Overflow " | 2.75 |
| " " 7, " " " 1 1/2 " " " " " 1 1/4, 1 3/8 " 1 1/2 " " " " " " | 3.00 |
| " " 8, " " " 1 1/2 " " " " " 1 1/4, 1 3/8 " 1 1/2 " " " " " " | 3.25 |

FLASK TRAPS

| Size | 1 1/4 | 1 1/2 |
|------------------------------------|-------|-------|
| Price, Painted | 1.00 | 1.50 |
| " Galvanized or White Enamel....." | 1.50 | 2.25 |
| Add for Slip Joint Nut....." | .25 | .30 |
| " " P. O. Basin Plug....." | .75 | .75 |
| " " Vent....." | .50 | .50 |

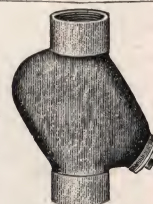


Fig. H-855

MARVEL NON-SYPHON TRAPS

CAST IRON

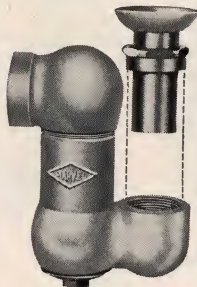
SINK TRAPS, ALUMINUM FINISH
Nos. 5P AND 10P

Fig. H-856

Nos. 5S AND 10S

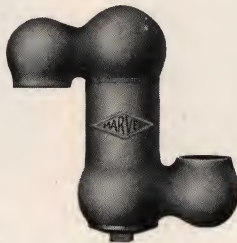


Fig. H-857

BATH TRAP
No. 15B

Fig. H-858

| | |
|--|------|
| Price, No. 5P, 8 $\frac{1}{4}$ inches Over All, 4 $\frac{1}{4}$ -inch Seal, Brass Cleanout, Trap only . each | 2.00 |
| " " 10P, 7 $\frac{1}{2}$ " " " 3 $\frac{1}{4}$ " " " " " " " | 1.90 |
| " " 5S, 8 $\frac{1}{2}$ " " " 4 $\frac{1}{4}$ " " " " " " " | 2.00 |
| " " 10S, 7 $\frac{1}{2}$ " " " 3 $\frac{1}{4}$ " " " " " " " | 1.90 |
| " " 15B, Body 2 $\frac{7}{8}$ x6 inches, Tapped 1 $\frac{1}{2}$ -inch Iron Pipe, Brass Cover. . " | 1.20 |
| " Brass Sink Connection for above Traps..... | .40 |

BATH TRAP
No. 15N

Fig. H-859

BLACK OR GALVANIZED
SHOWER AND FLOOR TRAP
No. 20

Fig. H-860

GALVANIZED
SHOWER TRAP
No. 25

Fig. H-861

| | |
|---|------|
| Price, No. 15N, Body 2 $\frac{7}{8}$ x6 inches, Tapped 1 $\frac{1}{2}$ -inch Iron Pipe, Nickel-plated Brass Cover..... each | 1.60 |
| " No. 20, Body 4x8 inches, Tapped 1 $\frac{1}{2}$ -inch Pipe, Nickel-plated Brass Strainer..... " | 5.20 |
| " No. 20, Body 4x8 inches, Tapped 2-inch Pipe, Nickel-plated Brass Strainer..... " | 5.80 |
| " No. 25, Body 4x8 $\frac{3}{4}$ inches, Tapped 1 $\frac{1}{2}$ -inch Pipe, Nickel-plated Brass Strainer..... " | 6.50 |
| " No. 25, Body 4x8 $\frac{3}{4}$ inches, Tapped 2-inch Pipe, Nickel-plated Brass Strainer..... " | 7.40 |

TRAP SCREWS

REGULAR

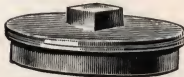


Fig. H-862

WITH PROJECTING FLANGE
FOR MARBLE OR TILE FLOORS



Fig. H-863

WITH COUNTERSUNK
CAP

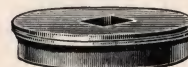


Fig. H-864

REGULAR

| | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| Size..... inches | 1½ | ¾ | 1 | 1¼ | 1½ | 2 |
| Price, Finished..... per dozen | 1.80 | 2.40 | 3.00 | 3.60 | 4.20 | 7.20 |
| " Nickel-plated .. " | 4.20 | 4.80 | 5.40 | 6.60 | 7.20 | 12.00 |
| Size..... inches | 2½ | 3 | 3½ | 4 | 5 | 6 |
| Price, Finished..... per dozen | 12.00 | 15.00 | 18.00 | 21.00 | 27.00 | 42.00 |
| " Nickel-plated .. " | 15.00 | 21.00 | 24.00 | 27.00 | 36.00 | 54.00 |

WITH PROJECTING FLANGE

| | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| Size..... inches | 2 | 2½ | 3 | 3½ | 4 | 5 |
| Price, Finished..... per dozen | 12.00 | 15.00 | 21.00 | 24.00 | 27.00 | 36.00 |
| " Nickel-plated .. " | 16.80 | 21.00 | 27.00 | 30.00 | 36.00 | 48.00 |

WITH COUNTERSUNK CAP

| | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|
| Size..... inches | 2 | 2½ | 3 | 3½ | 4 |
| Price, Finished..... per dozen | 7.20 | 10.80 | 15.00 | 18.00 | 21.00 |
| " Nickel-plated .. " | 12.00 | 15.00 | 21.00 | 24.00 | 27.00 |

WITH STRAIGHT VENT
COUPLING

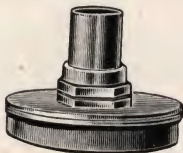


Fig. H-865

WITH FLANGE AND BENT VENT
COUPLING



Fig. H-866

| | | | | |
|---|-------|-------|-------|-------|
| Size..... inches | 3 | 3½ | 4 | 5 |
| Price, with 1¼-in. Straight Vent Coupling, Finished.... per dozen | 19.80 | 24.00 | 27.00 | 34.80 |
| " " 1¼ " " " " Nickel-plated. " | 27.00 | 32.40 | 36.60 | 49.20 |
| " " 1½ " " " " Finished.... " | 21.00 | 25.20 | 28.20 | 36.00 |
| " " 1½ " " " " Nickel-plated. " | 28.80 | 33.60 | 38.40 | 50.40 |
| " " 2 " " " " Finished.... " | 23.40 | 27.00 | 30.00 | 37.80 |
| " " 2 " " " " Nickel-plated. " | 30.60 | 35.40 | 40.20 | 52.80 |
| " " 1¼ " Bent " " " Finished.... " | 21.60 | 25.80 | 28.80 | 36.00 |
| " " 1¼ " " " " Nickel-plated. " | 29.40 | 34.20 | 38.40 | 51.00 |
| " " 1½ " " " " Finished.... " | 23.40 | 27.00 | 30.00 | 37.80 |
| " " 1½ " " " " Nickel-plated. " | 30.60 | 35.40 | 40.20 | 52.80 |
| " " 2 " " " " Finished.... " | 25.20 | 29.40 | 32.40 | 39.60 |
| " " 2 " " " " Nickel-plated. " | 32.40 | 37.80 | 42.00 | 54.60 |

BRASS AND IRON FERRULES

BRASS



Fig. H-867

REDUCING



Fig. H-868

BENT



Fig. H-869

STRAIGHT AND REDUCING

| Description..... | FOR STANDARD PIPE | | | | FOR EXTRA HEAVY PIPE | | | |
|-----------------------------------|-------------------|-------|-------|------|----------------------|-------|-------|-------|
| | 2 | 3 | 4 | 2x1½ | 2 | 3 | 4 | 2x1½ |
| Size..... inches | | | | | | | | |
| Price, Standard Weight.. per doz. | 9.00 | 15.60 | 18.60 | .... | 11.40 | 19.80 | 24.00 | .... |
| " Heavy " " " | 10.80 | 18.00 | 22.20 | 9.00 | 13.20 | 22.20 | 27.60 | 11.40 |

BENT

| Description..... | FOR STANDARD PIPE | | FOR EXTRA HEAVY PIPE | |
|---------------------|-------------------|-------|----------------------|-------|
| | 2 | 4 | 2 | 4 |
| Size..... inches | | | | |
| Price.....per dozen | 27.00 | 60.00 | 30.00 | 66.00 |

BRASS
WITH HUB

Fig. H-870

BRASS
WITH TRAP SCREW

Fig. H-871

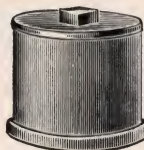
IRON BODY, WITH
BRASS TRAP SCREW

Fig. H-872

IRON
DRIVE FERRULE

Fig. H-873

WITH HUB

| Description..... | FOR STANDARD PIPE | | FOR EXTRA HEAVY PIPE | |
|---------------------|-------------------|-------|----------------------|-------|
| | 2 | 4 | 2 | 4 |
| Size..... inches | | | | |
| Price.....per dozen | 13.80 | 28.20 | 16.20 | 33.60 |

TRAP SCREW FERRULES—FOR STANDARD PIPE

| Size..... inches | 2 | 3 | 4 | 5 | 6 |
|---|-------|-------|-------|--------|--------|
| Price, Brass, Standard Weight.. per dozen | 14.40 | 24.00 | 31.20 | .... | .... |
| " " Heavy " " " | 16.20 | 26.40 | 34.80 | 147.00 | 168.00 |
| " Iron Body, Standard " " " | 10.80 | 16.80 | 21.00 | .... | .... |
| " " " Heavy " " " | 11.40 | 18.00 | 21.60 | .... | .... |

TRAP SCREW FERRULES—FOR EXTRA HEAVY PIPE

| Size..... inches | 2 | 3 | 4 | 5 | 6 |
|---|-------|-------|-------|--------|--------|
| Price, Brass, Standard Weight.. per dozen | 16.80 | 28.20 | 36.00 | .... | .... |
| " " Heavy " " " | 18.60 | 30.60 | 40.20 | 156.00 | 177.00 |
| " Iron Body, Standard " " " | 12.00 | 19.20 | 22.20 | .... | .... |
| " " " Heavy " " " | 12.60 | 20.40 | 22.80 | .... | .... |

IRON DRIVE FERRULES

| Size..... inches | 2 | 3 | 4 |
|------------------|-----|-----|-----|
| Price.....each | .20 | .30 | .40 |

SOLDERING NIPPLES AND UNIONS, ETC.

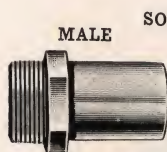


Fig. H-874

SOLDERING NIPPLES

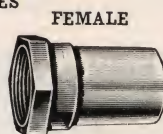


Fig. H-875

SOLDERING UNION

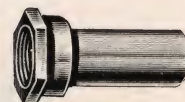


Fig. H-876

SOLDERING NIPPLES—MALE OR FEMALE

| | | | | | | |
|---------------------|----------------|----------------|---------------|----------------|---------------|-------|
| Size.....inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 |
| Price.....per dozen | 3.60 | 3.60 | 3.60 | 4.20 | 6.00 | 8.40 |
| Size.....inches | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
| Price.....per dozen | 10.80 | 15.00 | 21.00 | 36.00 | 48.00 | 84.00 |

SOLDERING UNIONS

| | | | | | |
|-------------------------------|---------------|----------------|----------------|---------------|---------------|
| Size.....inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ |
| Price, Straight.....per dozen | 4.20 | 4.20 | 4.80 | 6.00 | 7.80 |
| “ Bent.....“ | 6.00 | 6.00 | 7.20 | 8.40 | 9.60 |
| Size.....inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | .... |
| Price, Straight.....per dozen | 10.20 | 13.20 | 15.00 | 21.00 | .... |
| “ Bent.....“ | 12.00 | 16.20 | 22.80 | 30.00 | .... |

BOILER COUPLINGS

Iron Pipe, Male Thread



Fig. H-877

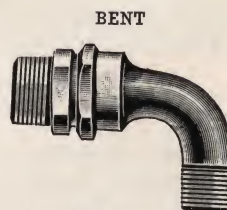


Fig. H-878

STRAIGHT

| | | | |
|---------------------------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 |
| Price, Plain Face.....per dozen | 10.80 | 14.40 | 19.20 |
| “ Ground Face.....“ | 12.00 | 15.60 | 20.40 |

BENT

| | | | |
|---------------------------------|---------------|---------------|-------|
| Size.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 |
| Price, Plain Face.....per dozen | 12.60 | 16.80 | 22.20 |
| “ Ground Face.....“ | 13.80 | 18.00 | 23.40 |

SHEET LEAD, ETC.**SHEET LEAD**

Fig. H-879

| Weight per Square Foot Pounds | APPROXIMATE THICKNESS | | | AVERAGE SIZE OF SHEET | | | Average Weight per Roll Pounds |
|--|-----------------------|-------------------------------|---------------------------------|-----------------------|--------|----------------|---|
| | Decimals Inches | Nearest Fraction Inches | Birming- ham Gauge Number | WIDTH | | Length Feet | |
| | | | | Feet | Inches | | |
| 1½ | .0255 | ¾ ₁₂₈ | 23 | 7 | 4 | 18 | 225 |
| 2 | .0340 | 1 ₃₂ | 20 | 7 | 6 | 18 | 270 |
| 2½ | .0425 | 5 ₁₂₈ | 19 | 8 | 3 | 19 | 390 |
| 3 | .0510 | ¾ ₆₄ | 18 | 8 | 3 | 19 | 475 |
| 3½ | .0595 | 7 ₁₂₈ | 17 | 8 | 3 | 19 | 560 |
| 4 | .0680 | 1 ₁₆ | 16 | 8 | 6 | 20 | 680 |
| 5 | .0850 | 5 ₆₄ | 14 | 8 | 6 | 20 | 850 |
| 6 | .1010 | 7 ₆₄ | 12 | 8 | 9 | 22 | 1050 |
| 7 | .1180 | 15 ₁₂₈ | 11 | 8 | 9 | 22 | 1300 |
| 8 | .1350 | 1 ₈ | 10 | 8 | 9 | 25 | 1600 |

PIG LEAD

Fig. H-880

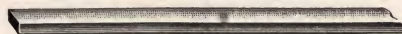
BAR LEAD

Fig. H-881

PIG TIN

Fig. H-882

BAR TIN

Fig. H-883

WIPING SOLDER

Fig. H-884

HALF AND HALF SOLDER

Fig. H-885

Prices on above, market rates.

LEAD AND BLOCK TIN PIPE

LEAD PIPE

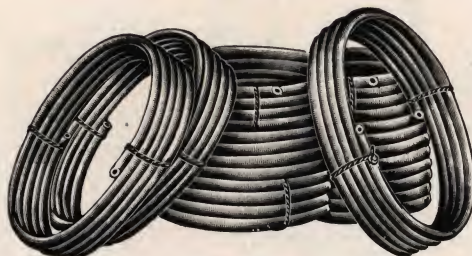


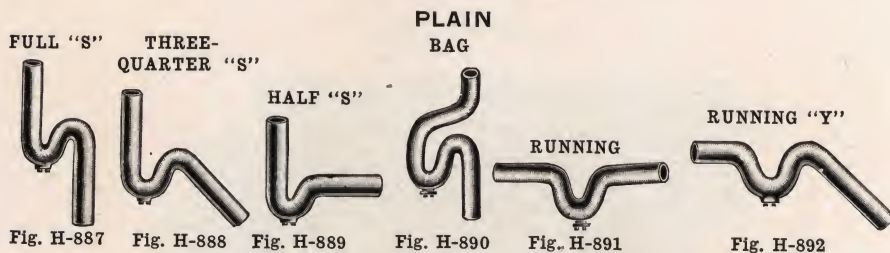
Fig. H-886

| Inside Caliber Inches | AQUEDUCT | | | EXTRA LIGHT | | | LIGHT | | | MEDIUM | | | STRONG | | | EXTRA STRONG | | | DOUBLE EX. STRONG | | |
|--------------------------|--------------------|--------|-----------------------------------|--------------------|--------|-----------------------------------|--------------------|--------|-----------------------------------|--------------------|--------|-----------------------------------|--------------------|--------|-----------------------------------|--------------------|--------|-----------------------------------|----------------------|--------|-----------------------------------|
| | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet | Weight per Foot | | Average Length of Coil Feet |
| | Pounds | Ounces | | Pounds | Ounces | | Pounds | Ounces | | Pounds | Ounces | | Pounds | Ounces | | Pounds | Ounces | | Pounds | Ounces | |
| | | | | | | | | | | | | | | | | | | | | | |
| $\frac{3}{8}$ | ... | 8 | 175 | ... | 9 | 155 | ... | 12 | 235 | 1 | ... | 175 | 1 | 8 | 120 | 2 | ... | 90 | 2 | 10 | ... |
| $\frac{1}{2}$ | ... | 10 | 140 | ... | 12 | 235 | ... | 1 | 175 | 1 | 4 | 140 | 1 | 12 | 115 | 2 | ... | 70 | 3 | ... | 60 |
| $\frac{5}{8}$ | ... | 12 | 100 | ... | 1 | 140 | ... | 1 | 100 | 2 | ... | 85 | 2 | 8 | 80 | 3 | ... | 58 | 3 | 8 | 50 |
| $\frac{3}{4}$ | 1 | ... | 85 | 1 | 8 | 115 | 2 | 2 | 85 | 2 | 4 | 75 | 3 | ... | 67 | 3 | 8 | 48 | 4 | ... | 44 |
| $\frac{7}{8}$ | 1 | ... | 55 | 2 | ... | 85 | 2 | 2 | 8 | 3 | ... | 58 | 3 | 8 | 48 | ... | ... | ... | ... | ... | ... |
| 1 | 1 | 8 | 55 | 2 | ... | 85 | 2 | 2 | 8 | 3 | 4 | 53 | 4 | ... | 50 | 4 | 12 | 35 | 5 | 8 | 30 |
| $1\frac{1}{4}$ | 1 | 2 | 50 | 2 | 8 | 70 | 3 | 3 | 55 | 3 | 12 | 48 | 4 | 12 | 35 | 6 | ... | 28 | 6 | 12 | 24 |
| $1\frac{1}{2}$ | 3 | 3 | 34 | 3 | 8 | 42 | 4 | 4 | 40 | 5 | ... | 32 | 6 | ... | 36 | 7 | 8 | 20 | 9 | ... | 17 |
| $1\frac{3}{4}$ | 3 | 3 | ... | 3 | 12 | 40 | 4 | 4 | 8 | 5 | 8 | 28 | 6 | 8 | 23 | 8 | ... | 20 | ... | ... | ... |
| 2 | 3 | 3 | 11 | 4 | ... | 40 | 5 | 5 | 30 | 7 | ... | 22 | 8 | ... | 18 | 9 | ... | 16 | 10 | 8 | 15 |
| $2\frac{1}{2}$ | 4 | 4 | 12 | ... | ... | ... | 6 | ... | 12 | 8 | ... | 12 | 11 | ... | 12 | 14 | ... | 12 | 17 | ... | 12 |
| 3 | 4 | 4 | 12 | 4 | 12 | 12 | 6 | 3 | 12 | 9 | ... | 12 | 12 | ... | 12 | 16 | ... | 12 | 20 | ... | 12 |
| $3\frac{1}{2}$ | ... | ... | ... | 5 | ... | ... | ... | ... | ... | ... | ... | 15 | ... | ... | 12 | 18 | ... | 12 | ... | ... | ... |
| 4 | 5 | ... | 12 | 6 | ... | 12 | 8 | ... | 12 | 10 | ... | 12 | 16 | ... | 12 | 21 | ... | 12 | 25 | ... | 12 |
| $4\frac{1}{2}$ | 6 | ... | 12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

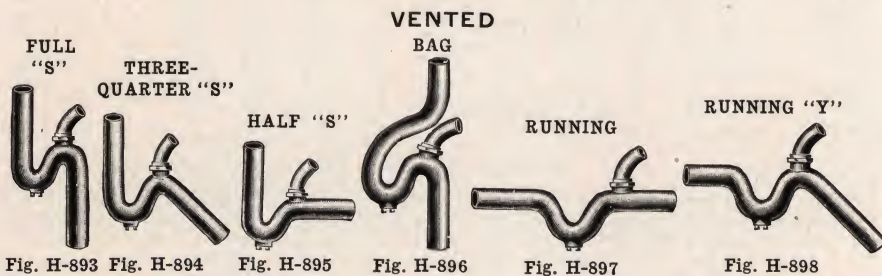
BLOCK TIN PIPE

| | | | | | | |
|-----------------------------|-----------------------------------|-------------------|------------------------------|---------------|---------------|-----------|
| Inside Diameter...inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | 1 |
| Weight, per Foot...ounces | 3 and 5 | 4, 5, 6, 8 and 10 | 4 $\frac{1}{2}$, 5, 6 and 8 | 8 and 10 | 10 and 12 | 15 and 18 |
| Inside Diameter.....inches | $1\frac{1}{4}$ | | | | | |
| Weight, per Foot.....pounds | $1\frac{1}{4}$ and $1\frac{3}{4}$ | | | | | |

LEAD TRAPS



| Description | STANDARD | | | | | SPECIAL (Medium) | | | EXTRA HEAVY | | | | |
|----------------------------|----------|------|------|------|------|------------------|------|------|-------------|------|------|------|------|
| Weight, per ft.... pounds | 1½ | 2¼ | 3¼ | 5 | 6 | 2 | 3 | 4 | 2½ | 3½ | 4½ | 6 | 8 |
| Size..... inches | 1¼ | 1½ | 2 | 3 | 4 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 3 | 4 |
| Price, Full "S" each | .58 | .90 | 1.38 | 2.69 | 3.25 | .73 | 1.03 | 1.65 | .87 | 1.25 | 1.85 | 3.09 | 4.30 |
| " ¾ "S" " | .55 | .81 | 1.30 | 2.62 | 3.07 | .66 | .94 | 1.53 | .81 | 1.15 | 1.73 | 2.97 | 3.95 |
| " ½ "S" " | .51 | .75 | 1.20 | 2.24 | 2.49 | .64 | .87 | 1.42 | .77 | 1.09 | 1.57 | 2.58 | 3.25 |
| " Bag " | .68 | 1.08 | 1.73 | 3.35 | 4.77 | .87 | 1.28 | 2.08 | 1.06 | 1.54 | 2.33 | 3.96 | 6.30 |
| " Running " | .48 | .72 | 1.13 | 2.09 | 2.53 | .58 | .87 | 1.32 | .70 | 1.03 | 1.46 | 2.35 | 3.28 |
| " " "Y" .. " | .52 | .76 | 1.34 | 2.46 | 3.15 | .65 | .94 | 1.45 | .74 | 1.09 | 1.61 | 2.88 | 4.05 |



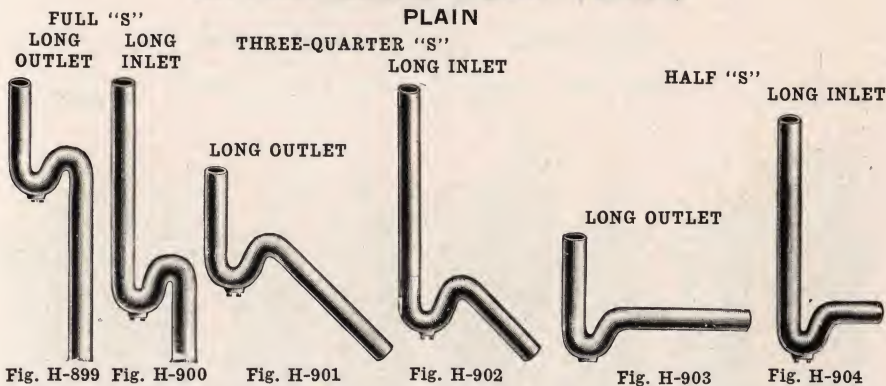
| Description | STANDARD | | | | | SPECIAL (Medium) | | | EXTRA HEAVY | | | | |
|----------------------------|----------|------|------|------|------|------------------|------|------|-------------|------|------|------|------|
| Weight, per ft.... pounds | 1½ | 2¼ | 3¼ | 5 | 6 | 2 | 3 | 4 | 2½ | 3½ | 4½ | 6 | 8 |
| Size..... inches | 1¼ | 1½ | 2 | 3 | 4 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 3 | 4 |
| Price, Full "S" each | 1.38 | 1.85 | 2.33 | 3.94 | 4.50 | 1.53 | 1.98 | 2.60 | 1.67 | 2.20 | 2.80 | 4.34 | 5.55 |
| " ¾ "S" " | 1.35 | 1.76 | 2.25 | 3.87 | 4.32 | 1.46 | 1.89 | 2.48 | 1.61 | 2.10 | 2.68 | 4.22 | 5.20 |
| " ½ "S" " | 1.31 | 1.70 | 2.15 | 3.49 | 3.74 | 1.44 | 1.82 | 2.37 | 1.57 | 2.04 | 2.52 | 3.83 | 4.50 |
| " Bag " | 1.48 | 2.03 | 2.68 | 4.60 | 6.02 | 1.67 | 2.23 | 3.03 | 1.86 | 2.49 | 3.28 | 5.21 | 7.55 |
| " Running " | 1.28 | 1.67 | 2.08 | 3.34 | 3.78 | 1.38 | 1.82 | 2.27 | 1.50 | 1.98 | 2.41 | 3.60 | 4.53 |
| " " "Y" .. " | 1.32 | 1.71 | 2.29 | 3.71 | 4.40 | 1.45 | 1.89 | 2.40 | 1.54 | 2.04 | 2.56 | 4.13 | 5.30 |

Prices include brass drain screws on all sizes except 4-inch.

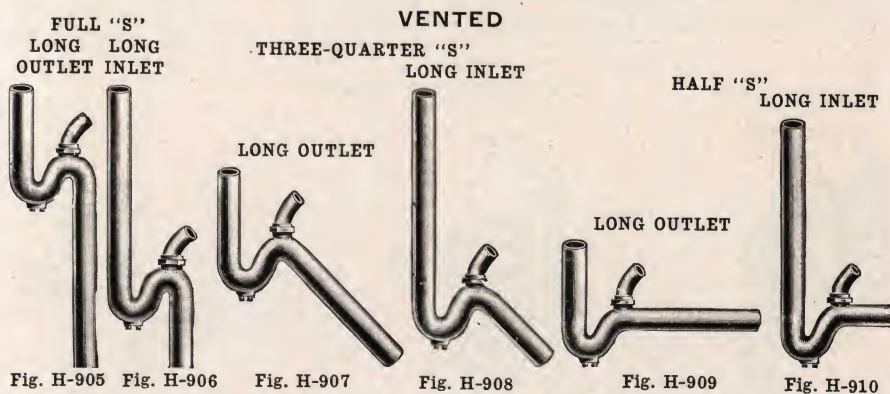
Eighth bend vent connections will be furnished, if not otherwise specified; 2-inch vented traps are furnished with 1½-inch vent; if 2-inch vent is desired, add 30 cents to list.

3 and 4-inch vented traps have 2-inch vent.

EXTRA LONG LEAD TRAPS



| Description | STANDARD | | | SPECIAL (MEDIUM) | | | EXTRA HEAVY | | |
|--------------------------------------|----------|------|------|------------------|------|------|-------------|------|------|
| | 1½ | 2¼ | 3¼ | 2 | 3 | 4 | 2½ | 3½ | 4½ |
| Weight, per foot..pounds | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 |
| Size .....inches | | | | | | | | | |
| Full "S," Long Inlet or Outlet, each | .93 | 1.36 | 2.00 | 1.19 | 1.64 | 2.40 | 1.44 | 1.95 | 2.69 |
| ¾ "S," " " " " " " | .85 | 1.19 | 1.76 | 1.04 | 1.43 | 2.08 | 1.28 | 1.72 | 2.33 |
| ½ "S," " " " " " " | .76 | 1.02 | 1.55 | .95 | 1.22 | 1.83 | 1.14 | 1.50 | 2.02 |
| Bag, " " " " " " | 1.09 | 1.58 | 2.34 | 1.38 | 1.91 | 2.80 | 1.67 | 2.24 | 3.11 |
| Running " " " " " " | .82 | 1.15 | 1.67 | 1.01 | 1.41 | 1.98 | 1.23 | 1.65 | 2.18 |
| " " " " " " " " | .83 | 1.15 | 1.82 | 1.05 | 1.45 | 2.01 | 1.23 | 1.52 | 2.23 |



| Description | STANDARD | | | SPECIAL (MEDIUM) | | | EXTRA HEAVY | | |
|--------------------------------------|----------|------|------|------------------|------|------|-------------|------|------|
| | 1½ | 2¼ | 3¼ | 2 | 3 | 4 | 2½ | 3½ | 4½ |
| Weight, per foot..pounds | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 |
| Size .....inches | | | | | | | | | |
| Full "S," Long Inlet or Outlet, each | 1.73 | 2.31 | 2.95 | 1.99 | 2.59 | 3.35 | 2.24 | 2.90 | 3.64 |
| ¾ "S," " " " " " " | 1.65 | 2.14 | 2.71 | 1.84 | 2.38 | 3.03 | 2.08 | 2.67 | 3.28 |
| ½ "S," " " " " " " | 1.56 | 1.97 | 2.50 | 1.75 | 2.17 | 2.78 | 1.94 | 2.45 | 2.97 |
| Bag, " " " " " " | 1.89 | 2.53 | 3.29 | 2.18 | 2.86 | 3.75 | 2.47 | 3.19 | 4.06 |
| Running " " " " " " | 1.62 | 2.10 | 2.62 | 1.81 | 2.36 | 2.93 | 2.03 | 2.60 | 3.13 |
| " " " " " " " " | 1.63 | 2.10 | 2.77 | 1.85 | 2.40 | 2.96 | 2.03 | 2.47 | 3.18 |

For full size (2-inch) vents on 2-inch traps, add .30.

TRAPS

"THE IDEAL" CENTRIFUGAL TRAPS

FULL "S"

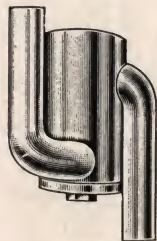


Fig. H-911

HALF "S"

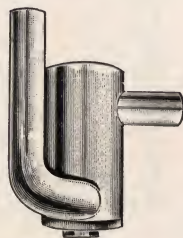


Fig. H-912

RUNNING

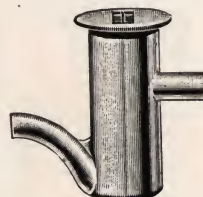


Fig. H-913

| Description | WITHOUT VENT | | | WITH VENT | | |
|--|--------------|-------|------|-----------|-------|------|
| Size | 1/4 | 1 1/2 | 2 | 1/4 | 1 1/2 | 2 |
| Price, Lead, "S" | 1.35 | 1.75 | 2.50 | 2.10 | 2.65 | 3.35 |
| " " 1/2 "S" | 1.25 | 1.50 | 2.25 | 2.00 | 2.30 | 3.20 |
| " " Running | 1.55 | 2.00 | 2.50 | 2.20 | 2.80 | 3.70 |
| " Rough Brass, "S" | 2.75 | 3.65 | .... | 3.25 | 4.15 | .... |
| " " 1/2 "S" | 2.45 | 3.35 | .... | 2.95 | 3.85 | .... |
| " " Running | 2.85 | 3.55 | .... | 3.45 | 4.15 | .... |
| " Polished or Nickel Plated Brass, "S" | 3.35 | 4.45 | .... | 3.85 | 4.95 | .... |
| " " " 1/2 "S" | 3.05 | 4.15 | .... | 3.55 | 4.65 | .... |
| Price, Polished or Nickel Plated Running | 3.55 | 4.65 | .... | 4.05 | 4.95 | .... |

CLEAN SWEEP TRAPS

FULL "S"

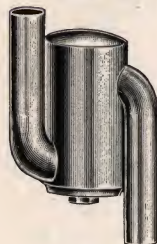


Fig. H-914

HALF "S"

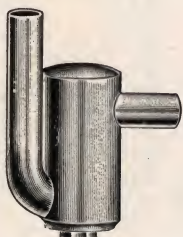


Fig. H-915

RUNNING

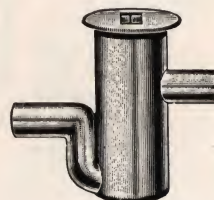


Fig. H-916

| Description | WITHOUT VENT | | | WITH VENT | | |
|--|--------------|-------|------|-----------|-------|------|
| Size | 1/4 | 1 1/2 | 2 | 1/4 | 1 1/2 | 2 |
| Price, Lead, "S" | 1.20 | 1.55 | 2.30 | 1.80 | 2.35 | 3.00 |
| " " 1/2 "S" | 1.10 | 1.35 | 2.00 | 1.75 | 2.05 | 2.70 |
| " " Running with Flange Cover | 1.50 | 1.90 | .... | 2.25 | 2.75 | .... |
| " Rough Brass, "S" | 2.60 | 3.60 | .... | 3.10 | 4.10 | .... |
| " " " 1/2 "S" | 2.30 | 3.30 | .... | 2.80 | 3.80 | .... |
| " " " Running, with Flange cover | 3.30 | 4.00 | .... | 4.00 | 4.80 | .... |

LEAD DRUM TRAPS

BRASS TRAP SCREWS, ORDINARY FINISH

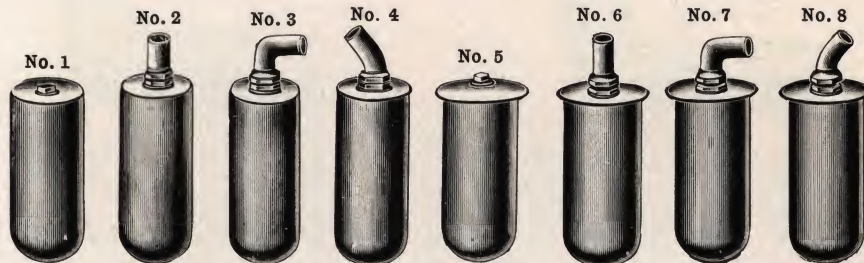


Fig. H-917

| Number..... | 1 | 2 | 3 and 4 | 5 | 5½ | 6 | 7 and 8 |
|---|------|------|---------|------|------|------|---------|
| Outside Diameter of Cap .....inches | 4⅛ | 4⅛ | 4⅛ | 4½ | 5 | 4½ | 4½ |
| Price, 4x 8 inches, Standard Weight ..each | 1.90 | 2.60 | 3.00 | 2.00 | 2.10 | 2.80 | 3.20 |
| " 4x 9 " " " " " " | 2.02 | 2.72 | 3.12 | 2.12 | 2.22 | 2.92 | 3.32 |
| " 4x10 " " " " " " | 2.10 | 2.80 | 3.20 | 2.20 | 2.30 | 3.00 | 3.40 |
| " 4x11 " " " " " " | 2.18 | 2.88 | 3.28 | 2.28 | 2.38 | 3.08 | 3.48 |
| " 4x12 " " " " " " | 2.25 | 2.95 | 3.35 | 2.35 | 2.45 | 3.15 | 3.55 |
| " 4x14 " " " " " " | 2.55 | 3.25 | 3.65 | 2.65 | 2.75 | 3.45 | 3.85 |
| " 5x10 " " " " " " | 3.00 | 3.70 | 4.10 | 3.10 | 3.20 | 3.90 | 4.30 |
| " 5x11 " " " " " " | 3.15 | 3.85 | 4.25 | 3.25 | 3.35 | 4.05 | 4.45 |
| " 5x12 " " " " " " | 3.30 | 4.00 | 4.40 | 3.40 | 3.50 | 4.20 | 4.60 |
| " 6x10 " " " " " " | 3.55 | 4.25 | 4.65 | 3.65 | 3.75 | 4.45 | 4.85 |
| " 6x11 " " " " " " | 3.75 | 4.45 | 4.85 | 3.85 | 3.95 | 4.65 | 5.05 |
| " 6x12 " " " " " " | 3.90 | 4.60 | 5.00 | 4.00 | 4.10 | 4.80 | 5.20 |
| " 4x 8 " Special " " " " | 2.05 | 2.75 | 3.15 | 2.15 | 2.25 | 2.95 | 3.35 |
| " 4x 9 " " " " " " | 2.18 | 2.88 | 3.28 | 2.28 | 2.38 | 3.08 | 3.48 |
| " 4x10 " " " " " " | 2.27 | 2.97 | 3.37 | 2.37 | 2.47 | 3.17 | 3.57 |
| " 4x11 " " " " " " | 2.37 | 3.07 | 3.47 | 2.47 | 2.57 | 3.27 | 3.67 |
| " 4x12 " " " " " " | 2.45 | 3.15 | 3.55 | 2.55 | 2.65 | 3.35 | 3.75 |
| " 4x14 " " " " " " | 2.75 | 3.45 | 3.85 | 2.85 | 2.95 | 3.65 | 4.05 |
| " 4x 8 " Extra Heavy " " " " | 2.40 | 3.10 | 3.50 | 2.50 | 2.60 | 3.30 | 3.70 |
| " 4x 9 " " " " " " | 2.50 | 3.20 | 3.60 | 2.60 | 2.70 | 3.40 | 3.80 |
| " 4x10 " " " " " " | 2.63 | 3.33 | 3.73 | 2.73 | 2.83 | 3.53 | 3.93 |
| " 4x11 " " " " " " | 2.75 | 3.45 | 3.85 | 2.85 | 2.95 | 3.65 | 4.05 |
| " 4x12 " " " " " " | 2.90 | 3.60 | 4.00 | 3.00 | 3.10 | 3.80 | 4.20 |
| " 4x14 " " " " " " | 3.30 | 4.00 | 4.40 | 3.40 | 3.50 | 4.20 | 4.60 |
| " 5x10 " " " " " " | 3.40 | 4.10 | 4.50 | 3.50 | 3.60 | 4.30 | 4.70 |
| " 5x11 " " " " " " | 3.55 | 4.25 | 4.65 | 3.65 | 3.75 | 4.45 | 4.85 |
| " 5x12 " " " " " " | 3.70 | 4.40 | 4.80 | 3.80 | 3.90 | 4.60 | 5.00 |
| " 6x10 " " " " " " | 4.15 | 4.85 | 5.25 | 4.25 | 4.35 | 5.05 | 5.45 |
| " 6x11 " " " " " " | 4.35 | 5.05 | 5.45 | 4.45 | 4.55 | 5.25 | 5.65 |
| " 6x12 " " " " " " | 4.60 | 5.30 | 5.70 | 4.70 | 4.80 | 5.50 | 5.90 |
| " Extra for Polished or Nickel-plated Trap Screws | .20 | .30 | .30 | .20 | .25 | .30 | .30 |
| " Trap Screws only, Ordinary Finish | 1.00 | 1.70 | 2.10 | 1.10 | 1.20 | 1.90 | 2.30 |
| " " " " Nickel-plated | 1.20 | 2.00 | 2.40 | 1.30 | 1.45 | 2.20 | 2.60 |

LEAD BENDS

LONG

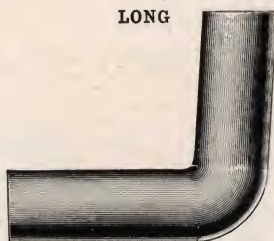


Fig. H-925

REGULAR

SHORT

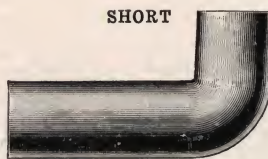


Fig. H-926

| Description..... | STANDARD | | | | | SPECIAL (MEDIUM) | | | EXTRA HEAVY | | | | |
|----------------------------|----------|-----|-----|------|------|---------------------|-----|------|-------------|-----|------|------|------|
| Weight, per foot... pounds | 1½ | 2¼ | 3¼ | 5 | 6 | 2 | 3 | 4 | 2½ | 3½ | 4½ | 6 | 8 |
| Size..... inches | 1¼ | 1½ | 2 | 3 | 4 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 3 | 4 |
| Price, Long..... each | .30 | .50 | .78 | 1.39 | 1.95 | .41 | .66 | 1.00 | .50 | .79 | 1.05 | 1.60 | 2.40 |
| " Short..... " | .25 | .38 | .57 | 1.09 | 1.50 | .31 | .51 | .69 | .34 | .62 | .80 | 1.21 | 1.84 |

EXTENSION

LONG

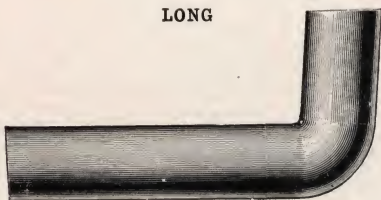


Fig. H-927

SHORT



Fig. H-928

| Description..... | STANDARD | | | | | SPECIAL (MEDIUM) | | | EXTRA HEAVY | | | | |
|----------------------------------|----------|-----|------|------|------|---------------------|------|------|-------------|------|------|------|------|
| Weight, per foot... pounds | 1½ | 2¼ | 3¼ | 5 | 6 | 2 | 3 | 4 | 2½ | 3½ | 4½ | 6 | 8 |
| Size..... inches | 1¼ | 1½ | 2 | 3 | 4 | 1¼ | 1½ | 2 | 1¼ | 1½ | 2 | 3 | 4 |
| Long Inlet, 12-inch Outlet, each | .46 | .67 | .99 | 1.73 | 2.15 | .60 | .89 | 1.24 | .70 | 1.07 | 1.35 | 1.96 | 2.62 |
| " " 15 " " " | .54 | .77 | 1.14 | 1.99 | 2.44 | .70 | 1.03 | 1.42 | .82 | 1.24 | 1.56 | 2.25 | 2.98 |
| " " 18 " " " | .62 | .88 | 1.29 | 2.24 | 2.73 | .80 | 1.17 | 1.61 | .94 | 1.41 | 1.76 | 2.54 | 3.34 |
| " " 20 " " " | .67 | .95 | 1.39 | 2.42 | 2.92 | .87 | 1.26 | 1.74 | 1.02 | 1.52 | 1.90 | 2.74 | 3.58 |
| Short " 12 " " " | .40 | .56 | .79 | 1.39 | 1.70 | .52 | .75 | .99 | .60 | .90 | 1.08 | 1.57 | 2.09 |
| " " 15 " " " | .47 | .67 | .94 | 1.65 | 2.00 | .62 | .89 | 1.17 | .72 | 1.07 | 1.28 | 1.87 | 2.45 |
| " " 18 " " " | .55 | .77 | 1.09 | 1.90 | 2.30 | .72 | 1.03 | 1.36 | .84 | 1.24 | 1.49 | 2.16 | 2.81 |
| " " 20 " " " | .60 | .84 | 1.19 | 2.07 | 2.48 | .79 | 1.12 | 1.49 | .92 | 1.35 | 1.63 | 2.35 | 3.04 |

EXTRAS ON LONG AND SHORT EXTENDED BENDS

| Description..... | STANDARD | | | | | SPECIAL (MEDIUM) | | | EXTRA HEAVY | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-----|---------------------|-----------------|------------------|-----------------|-----------------|-------------------|-----|-----|
| Size.....inches | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 | 3 | 4 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 | 3 | 4 |
| Price for Each inch of Excess Length over Listed Sizes, add to List of Nearest Listed Size | .03 $\frac{1}{4}$ | .04 $\frac{1}{2}$ | .06 $\frac{1}{4}$ | .10 $\frac{3}{4}$ | .12 | .04 $\frac{1}{4}$ | .06 | .7 $\frac{3}{4}$ | .05 | .07 | .08 $\frac{1}{2}$ | .12 | .15 |

Short inlet-ends are the same dimensions as inlets on short bends of corresponding size. Long inlet-ends are the same as on long bends.

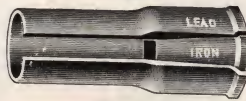
COMBINATION FERRULES, ETC.**LONG COMBINATION FERRULES**

Fig. H-929

SHORT

Fig. H-930

STANDARD

| Length.....inches | 4 | 4½ | 5 | 6 | 8 | 10 | 12 |
|---|------|------|-----|-----|------|------|------|
| Price, 1½-inch, for 2-inch Cast Iron Pipe, each | .... | .28 | .36 | .43 | .51 | .60 | .67 |
| " 1½ " " 2 " " " " " | .... | .28 | .36 | .43 | .51 | .60 | .67 |
| " 2 " " 2 " " " " " | .28 | .... | .41 | .46 | .57 | .67 | .76 |
| " 3 " " 3 " " " " " | .42 | .... | .60 | .67 | .82 | .98 | 1.10 |
| " 4 " " 4 " " " " " | .50 | .... | .72 | .85 | 1.02 | 1.25 | 1.40 |

| Length.....inches | 14 | 16 | 18 | 20 | 24 | 30 | 36 |
|---|------|------|------|------|------|------|------|
| Price, 1½-inch, for 2-inch Cast Iron Pipe, each | .80 | .90 | 1.00 | 1.10 | 1.30 | .... | .... |
| " 2 " " 2 " " " " " | .80 | .86 | .92 | 1.00 | 1.15 | 1.40 | 1.65 |
| " 3 " " 3 " " " " " | 1.15 | 1.22 | 1.30 | 1.40 | 1.60 | 2.00 | 2.30 |
| " 4 " " 4 " " " " " | 1.60 | 1.73 | 1.85 | 2.10 | 2.30 | 2.75 | 3.25 |

EXTRA HEAVY

| Length.....inches | 4 | 4½ | 5 | 6 | 8 | 10 | 12 |
|---|------|------|-----|-----|------|------|------|
| Price, 1½-inch, for 2-inch Cast Iron Pipe, each | .... | .38 | .44 | .52 | .61 | .72 | .80 |
| " 2 " " 2 " " " " " | .42 | .... | .49 | .54 | .67 | .81 | .93 |
| " 3 " " 3 " " " " " | .55 | .... | .75 | .84 | 1.00 | 1.18 | 1.35 |
| " 4 " " 4 " " " " " | .70 | .... | .84 | .94 | 1.23 | 1.45 | 1.67 |

| Length.....inches | 14 | 16 | 18 | 20 | 24 | 30 | 36 |
|---|------|------|------|------|------|------|------|
| Price, 1½-inch, for 2-inch Cast Iron Pipe, each | 1.15 | 1.30 | 1.45 | 1.60 | 1.90 | .... | .... |
| " 2 " " 2 " " " " " | 1.10 | 1.23 | 1.36 | 1.49 | 1.75 | 2.20 | 2.60 |
| " 3 " " 3 " " " " " | 1.46 | 1.63 | 1.80 | 1.97 | 2.33 | 2.90 | 3.40 |
| " 4 " " 4 " " " " " | 2.00 | 2.21 | 2.45 | 2.70 | 3.16 | 3.76 | 4.36 |

| Size.....inches | 2 | 3 | 4 |
|--|-----|-----|-----|
| For Brass Thimbles, add to list.....each | .25 | .50 | .75 |

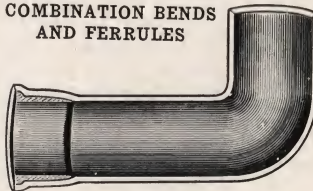
COMBINATION BENDS AND FERRULES

Fig. H-931

STANDARD

| Length.....inches | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|------|------|------|------|------|------|------|------|------|
| Price, 4-inch, Short Inlet, (5½-inches), each | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 3.00 |
| " 4 " long " (9¾ ") " " | 2.65 | 2.75 | 2.85 | 2.94 | 3.04 | 3.14 | 3.23 | 3.33 | 3.42 |

EXTRA HEAVY

| Length.....inches | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|------|------|------|------|------|------|------|------|------|
| Price, 4-inch, Short Inlet, (5½-inches), each | 2.59 | 3.71 | 2.83 | 2.95 | 3.07 | 3.19 | 3.31 | 3.43 | 3.54 |
| " 4 " long " (9¾ ") " " | 3.12 | 3.24 | 3.36 | 3.48 | 3.60 | 3.72 | 3.84 | 3.96 | 4.08 |

CAST IRON SOIL PIPE

FIVE-FOOT LENGTHS

SINGLE HUB

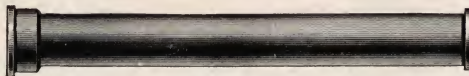


Fig. H-932

| Size inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|----------------------------------|------|------|------|------|------|-------|-------|-------|
| Price, Standard per length | 1.30 | 1.75 | 2.30 | 2.90 | 3.50 | 7.00 | 12.00 | 15.00 |
| “ Extra Heavy..... “ | 2.00 | 3.10 | 4.20 | 5.50 | 6.50 | 11.00 | 18.00 | 22.00 |

DOUBLE HUB



Fig. H-933

| Size..... inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|---------------------------------|------|------|------|------|------|-------|-------|-------|
| Price, Standard..... per length | 1.40 | 1.85 | 2.40 | 3.10 | 3.70 | 8.00 | 13.00 | 16.00 |
| “ Extra Heavy... “ | 2.10 | 3.25 | 4.40 | 5.70 | 6.80 | 12.00 | 19.00 | 23.00 |

APPROXIMATE WEIGHTS OF SOIL PIPE AND FITTINGS

| Style | STANDARD | | | | | | | | | | | | EXTRA HEAVY | | | | | | | | | | | |
|------------------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|-----|------------------|------------------|------------------|------------------|------------------|-----|------------------|-----|
| Size inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| Pipe, lbs..... per length | 18 | 26 | 35 | 45 | 55 | 85 | 115 | 165 | 27 $\frac{1}{2}$ | 47 $\frac{1}{2}$ | 65 | 85 | 100 | 170 | 225 | 270 | 27 $\frac{1}{2}$ | 47 $\frac{1}{2}$ | 65 | 85 | 100 | 170 | 225 | 270 |
| Quarter Bends, lbs. . . each | 4 $\frac{1}{2}$ | 7 | 10 $\frac{1}{2}$ | 13 | 16 $\frac{1}{2}$ | 33 | 54 | 58 $\frac{1}{2}$ | 6 $\frac{3}{4}$ | 10 $\frac{1}{2}$ | 15 | 19 | 23 $\frac{1}{2}$ | 52 | 80 | 95 | 6 $\frac{3}{4}$ | 10 $\frac{1}{2}$ | 15 | 19 | 23 $\frac{1}{2}$ | 52 | 80 | 95 |
| Sixth “ “ “ | 4 | 6 $\frac{1}{2}$ | 9 | 11 $\frac{1}{2}$ | 14 | 30 | 30 | 48 | 6 | 9 $\frac{1}{4}$ | 13 | 16 $\frac{1}{2}$ | 20 | 44 | 50 | 90 | 6 | 9 $\frac{1}{4}$ | 13 | 16 $\frac{1}{2}$ | 20 | 44 | 50 | 90 |
| Eighth “ “ “ | 3 $\frac{1}{2}$ | 6 | 8 | 10 $\frac{1}{2}$ | 13 | 24 | 38 | 42 $\frac{1}{2}$ | 5 $\frac{1}{2}$ | 8 $\frac{1}{2}$ | 12 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 18 $\frac{1}{4}$ | 40 | 56 | 80 | 5 $\frac{1}{2}$ | 8 $\frac{1}{2}$ | 12 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 18 $\frac{1}{4}$ | 40 | 56 | 80 |
| “T” Branch, “ “ “ | 7 | 11 | 14 $\frac{1}{2}$ | 18 $\frac{1}{2}$ | 23 | 33 | 42 | 102 | 10 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 21 | 26 $\frac{1}{2}$ | 32 $\frac{1}{2}$ | 60 | 75 | 166 | 10 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 21 | 26 $\frac{1}{2}$ | 32 $\frac{1}{2}$ | 60 | 75 | 166 |
| San. “T” Branch, “ “ “ | 7 $\frac{1}{2}$ | 12 | 16 | 20 | 24 | 49 | 100 | ... | 11 | 16 $\frac{1}{4}$ | 22 $\frac{1}{2}$ | 28 | 34 $\frac{1}{2}$ | 80 | 135 | 210 | 11 | 16 $\frac{1}{4}$ | 22 $\frac{1}{2}$ | 28 | 34 $\frac{1}{2}$ | 80 | 135 | 210 |
| Crosses, “ “ “ | 9 $\frac{1}{2}$ | 14 | 19 | 23 $\frac{1}{2}$ | 28 $\frac{1}{2}$ | 40 | 70 | 100 | 13 $\frac{1}{4}$ | 19 $\frac{1}{4}$ | 27 | 33 $\frac{1}{2}$ | 40 $\frac{1}{2}$ | 92 | 116 | 176 | 13 $\frac{1}{4}$ | 19 $\frac{1}{4}$ | 27 | 33 $\frac{1}{2}$ | 40 $\frac{1}{2}$ | 92 | 116 | 176 |
| San. Cross, “ “ “ | 10 $\frac{1}{2}$ | 15 $\frac{1}{2}$ | 20 $\frac{1}{2}$ | 25 $\frac{1}{2}$ | 31 $\frac{1}{2}$ | 52 | ... | ... | 14 $\frac{1}{2}$ | 22 | 29 $\frac{1}{2}$ | 36 $\frac{1}{2}$ | 44 $\frac{1}{2}$ | 79 | 161 | ... | 14 $\frac{1}{2}$ | 22 | 29 $\frac{1}{2}$ | 36 $\frac{1}{2}$ | 44 $\frac{1}{2}$ | 79 | 161 | ... |
| “Y” Branch, “ “ “ | 7 $\frac{1}{2}$ | 12 | 17 | 22 | 28 | 58 | 106 | 158 | 11 | 17 | 24 | 31 $\frac{1}{2}$ | 39 $\frac{1}{2}$ | 91 | 136 | 218 | 11 | 17 | 24 | 31 $\frac{1}{2}$ | 39 $\frac{1}{2}$ | 91 | 136 | 218 |
| Half “Y” Branch, “ “ “ | 7 | 11 | 15 | 19 | 24 | ... | ... | ... | 10 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 21 $\frac{1}{2}$ | 27 $\frac{1}{2}$ | 34 | 90 | ... | ... | 10 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 21 $\frac{1}{2}$ | 27 $\frac{1}{2}$ | 34 | 90 | ... | ... |
| Double “ “ “ | 10 $\frac{1}{2}$ | 16 | 22 $\frac{1}{2}$ | 30 | 36 $\frac{1}{2}$ | 77 | 121 | ... | 14 $\frac{3}{4}$ | 23 | 32 | 41 $\frac{1}{2}$ | 52 | 100 | 153 | 266 | 14 $\frac{3}{4}$ | 23 | 32 | 41 $\frac{1}{2}$ | 52 | 100 | 153 | 266 |
| Double Hubs, “ “ “ | 4 | 5 $\frac{3}{4}$ | 7 $\frac{1}{2}$ | 9 | 10 $\frac{1}{2}$ | 16 | 21 | 35 | 5 $\frac{3}{4}$ | 8 $\frac{1}{2}$ | 10 $\frac{3}{4}$ | 12 $\frac{3}{4}$ | 14 $\frac{3}{4}$ | 30 | 35 | 45 | 5 $\frac{3}{4}$ | 8 $\frac{1}{2}$ | 10 $\frac{3}{4}$ | 12 $\frac{3}{4}$ | 14 $\frac{3}{4}$ | 30 | 35 | 45 |
| “S” Traps, “ “ “ | 8 $\frac{1}{2}$ | 14 | 21 | 28 $\frac{1}{2}$ | 37 $\frac{1}{2}$ | 94 | ... | ... | 12 | 20 | 30 | 40 $\frac{1}{2}$ | 53 $\frac{1}{2}$ | 123 | ... | ... | 12 | 20 | 30 | 40 $\frac{1}{2}$ | 53 $\frac{1}{2}$ | 123 | ... | ... |
| “P” “ “ “ | 7 | 12 | 17 $\frac{1}{2}$ | 24 $\frac{1}{2}$ | 31 $\frac{1}{2}$ | 80 | ... | ... | 10 $\frac{1}{2}$ | 17 $\frac{1}{2}$ | 25 $\frac{1}{2}$ | 34 $\frac{1}{2}$ | 45 | 100 | ... | ... | 10 $\frac{1}{2}$ | 17 $\frac{1}{2}$ | 25 $\frac{1}{2}$ | 34 $\frac{1}{2}$ | 45 | 100 | ... | ... |
| Rung Traps, “ “ “ | 8 $\frac{1}{2}$ | 13 $\frac{1}{2}$ | 19 $\frac{1}{2}$ | 26 | 34 | 54 | ... | ... | 11 $\frac{1}{4}$ | 19 | 27 $\frac{1}{2}$ | 37 | 48 | 110 | ... | ... | 11 $\frac{1}{4}$ | 19 | 27 $\frac{1}{2}$ | 37 | 48 | 110 | ... | ... |
| Reducers, “ “ “ | ... | 4 $\frac{1}{2}$ | 6 | 7 $\frac{1}{2}$ | 9 | 8 | 21 $\frac{1}{2}$ | 28 | ... | 6 $\frac{1}{4}$ | 8 $\frac{1}{2}$ | 10 $\frac{3}{4}$ | 12 $\frac{3}{4}$ | 15 | 28 $\frac{1}{2}$ | 48 | ... | 6 $\frac{1}{4}$ | 8 $\frac{1}{2}$ | 10 $\frac{3}{4}$ | 12 $\frac{3}{4}$ | 15 | 28 $\frac{1}{2}$ | 48 |

To determine the right or left-hand inlet or outlet in bends, branches and offsets, place them with the hub facing toward you and with spigot lower than hub. On traps, place in regular position with the hub end nearest you.

Long quarter bends are measured from the inside of hub nearest spigot to end of spigot. Other bends are measured from end of spigot to nearest point on inside base of hub. Long T's, Y's, etc., are measured from the base of the hub on main to the end of spigot.

Standard will be shipped unless extra heavy is specified.

CAST IRON SOIL PIPE FITTINGS

QUARTER BEND

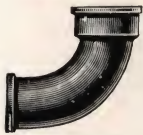


Fig. H-934

FIFTH BEND



Fig. H-935

SIXTH BEND



Fig. H-936

EIGHTH BEND



Fig. H-937

SIXTEENTH BEND



Fig. H-938

QUARTER, FIFTH, SIXTH, EIGHTH AND SIXTEENTH BENDS

| Size | inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|---|--------|-----|------|------|------|------|------|------|-------|
| Price, Quarter Bend, Standard | each | .40 | .55 | .70 | 1.05 | 1.30 | 4.00 | 5.90 | 8.65 |
| " Fifth " " " " " " " " " " " " | " | .45 | .80 | .80 | 1.05 | 1.30 | 4.00 | 5.90 | .... |
| " Sixth " " " " " " " " " " " " | " | .40 | .60 | .60 | 1.05 | 1.30 | 4.00 | 5.90 | 8.65 |
| " Eighth " " " " " " " " " " " " | " | .35 | .45 | .60 | .80 | 1.05 | 4.00 | 5.90 | 8.65 |
| " Sixteenth " " " " " " " " " " " " | " | .35 | .50 | .60 | .80 | 1.00 | 4.00 | 5.90 | 8.65 |
| " Quarter " Extra Heavy " " " " " " " " " " | " | .55 | .70 | .85 | 1.25 | 1.55 | 5.00 | 6.50 | 10.80 |
| " Fifth " " " " " " " " " " " " | " | .60 | 1.00 | 1.00 | 1.25 | 1.55 | 5.00 | .... | .... |
| " Sixth " " " " " " " " " " " " | " | .45 | .75 | .75 | 1.25 | 1.55 | 5.00 | 6.50 | 10.80 |
| " Eighth " " " " " " " " " " " " | " | .40 | .55 | .75 | 1.00 | 1.25 | 5.00 | 6.50 | 10.80 |
| " Sixteenth " " " " " " " " " " " " | " | .40 | .70 | .70 | 1.00 | 1.25 | 5.00 | 6.50 | 10.80 |

QUARTER BENDS WITH INLETS

SIDE INLET

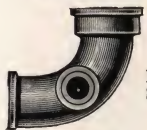


Fig. H-939

Right-Hand
Side Inlet

HEEL INLET

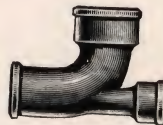


Fig. H-940

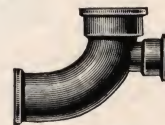


Fig. H-941

SIDE INLET AND HEEL INLET

| Size | inches | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |
|-----------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Size of Inlet..inches | | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 3 | 4 | 2 | 3 | 4 |
| Price, Standard | each | 1.25 | 1.25 | .... | 1.25 | .... | .... | 3.70 | .... | .... | 4.30 | .... | .... |
| " Extra Heavy.. " " | | 1.55 | 1.55 | 1.55 | 1.55 | 3.85 | 3.85 | 4.60 | 4.60 | 4.60 | 5.40 | 5.40 | 5.40 |

QUARTER BEND



Fig. H-942

DOUBLE HUB

EIGHTH BEND



Fig. H-943

SIXTEENTH BEND



Fig. H-944

QUARTER, EIGHTH AND SIXTEENTH BENDS

| Size | inches | 2 | 3 | 4 | 5 | 6 |
|-----------------------|--------|-----|------|------|------|------|
| Price, Standard | each | .75 | .95 | 1.20 | 1.85 | 2.45 |
| " Extra Heavy | " | .90 | 1.15 | 1.40 | 2.30 | 3.05 |

Special fittings not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

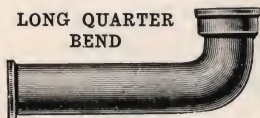
LONG QUARTER
BEND

Fig. H-945

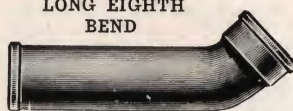
LONG EIGHTH
BEND

Fig. H-946

LONG QUARTER AND EIGHTH BENDS

| | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|
| Size.....inches | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| Length in Clear.....inches | 12 | 18 | 24 | 12 | 18 | 24 | 12 | 18 |
| Price, Standard.....each | .90 | 1.05 | 1.50 | 1.50 | 1.85 | 2.25 | 1.25 | 1.50 |
| " Extra Heavy....." | 1.10 | 1.30 | 1.85 | 1.85 | 2.30 | 2.75 | 1.55 | 1.85 |

| | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|-------|
| Size.....inches | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 8 |
| Length in Clear.....inches | 24 | 12 | 18 | 24 | 12 | 18 | 24 | 18 |
| Price, Standard.....each | 2.75 | .... | 4.30 | .... | .... | 5.00 | .... | 7.50 |
| " Extra Heavy....." | 3.40 | 4.60 | 5.40 | 6.15 | 5.40 | 6.15 | 6.90 | 10.00 |

REILLY LONG SWEEP BENDS

PLAIN

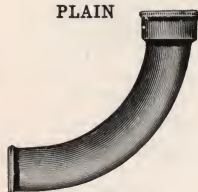


Fig. H-947

WITH
FOOT REST

Fig. H-948

| | | | | | |
|------------------------------------|------|------|------|------|------|
| Size.....inches | 4 | 5 | 6 | 4x2 | 5x4 |
| Price, Extra Heavy, Plain.....each | 3.50 | 5.00 | 6.00 | 2.70 | 3.50 |
| " " with Foot Rest....." | .... | .... | .... | 2.70 | 3.50 |

SANITARY
LONG
SWEEP

Fig. H-949

QUARTER BENDS

SHORT SWEEP



Fig. H-950

DOUBLE



Fig. H-951

LONG SWEEP

| | | | | | | |
|--------------------------|-----|------|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard.....each | .75 | .95 | 1.25 | 1.70 | 2.75 | .... |
| " Extra Heavy....." | .90 | 1.15 | 1.55 | 2.00 | 3.40 | 7.50 |

SHORT SWEEP

| | | | | | |
|--------------------------|-----|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 |
| Price, Standard.....each | .60 | .90 | 1.15 | 1.55 | 2.50 |
| " Extra Heavy....." | .75 | 1.10 | 1.40 | 1.85 | 3.10 |

DOUBLE

| | | | | | |
|--------------------------|------|------|------|------|------|
| Size.....inches | 2x2 | 3x2 | 4x2 | 4x3 | 4x4 |
| Price, Standard.....each | 1.50 | 2.45 | 2.80 | 2.80 | 2.80 |
| " Extra Heavy....." | 1.85 | 3.05 | 3.45 | 3.45 | 3.45 |

CAST IRON SOIL PIPE FITTINGS

"T" BRANCH

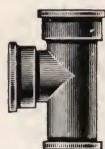


Fig. H-952

"T" BRANCH
R. H. Side Inlet

Fig. H-953

"T" BRANCH
Hub Ends

Fig. H-954

"T" BRANCHES

| Size.....inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 | 5x4 | 5x5 |
|------------------------|------|------|------|------|------|------|------|-------|-------|-------|
| Price, Standard...each | .55 | .75 | .85 | .85 | 1.00 | 1.00 | 1.20 | 1.25 | 1.40 | 1.65 |
| " Extra Heavy " | .75 | .90 | 1.10 | 1.10 | 1.25 | 1.40 | 1.45 | 1.55 | 1.70 | 2.00 |
| Size.....inches | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | 7 | 8 | 10 | 12 | 15 |
| Price, Standard...each | 1.80 | 1.80 | 1.80 | 2.00 | 2.00 | 7.00 | 6.00 | 10.80 | 15.10 | 33.60 |
| " Extra Heavy " | 2.15 | 2.15 | 2.15 | 2.45 | 2.45 | 9.80 | 9.00 | 15.10 | 19.40 | 42.00 |

Price, extra, for brass traps screws, 2.50

"T" BRANCHES, SIDE INLET

| Size of Inlet.....inches | 2 | 3 | 4 | 5 | 6 |
|---|------|------|------|------|------|
| Extra for Inlets to be added to above List of "T" Branches.....each | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 |

"T" BRANCHES, ALL HUB ENDS

| Size.....inches | 2 | 3 | 4 | 5 | 6 |
|------------------------|------|------|------|------|------|
| Price, Standard...each | 2.25 | ... | 4.65 | ... | ... |
| " Extra Heavy....." | 2.75 | 4.30 | 5.85 | 7.05 | 9.20 |

"T" BRANCH
Tapped for Iron Pipe

Fig. H-955

"T" BRANCHES
With Handhole Cleanout

Fig. H-956



Fig. H-957

LONG "T" BRANCH



Fig. H-958

"T" BRANCHES, TAPPED FOR IRON PIPE

| Size.....inches | 2 | 3 | 4 | 5 | 6 |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Thread.....inches | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 |
| Price, Standard...each | .70 | .85 | 1.00 | 1.60 | 2.50 |
| " Extra Heavy...." | .85 | 1.10 | 1.25 | 2.00 | 3.10 |

"T" BRANCHES WITH HANDHOLE CLEANOUT

| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 |
|------------------------|------|------|------|------|------|------|
| Price, Standard...each | 1.05 | 1.70 | 1.85 | 2.45 | 3.70 | 5.00 |
| " Extra Heavy....." | 1.25 | 2.15 | 2.30 | 3.05 | 4.60 | 7.50 |

LONG "T" BRANCHES

| Size.....inches | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Length in Clear..inches | 18 | 24 | 18 | 24 | 30 | 36 | 18 | 24 | 30 | 24 | 30 | 36 |
| Price, Standard....each | 2.00 | 2.25 | 3.50 | 4.10 | 4.65 | 5.35 | .... | 4.95 | 5.70 | 5.80 | 6.80 | 7.70 |
| " Extra Heavy. " | 2.45 | 2.75 | 4.30 | 5.05 | 5.85 | 6.60 | 5.25 | 6.15 | 7.10 | 7.25 | 8.45 | 9.55 |

CAST IRON SOIL PIPE FITTINGS

SANITARY "T" BRANCH

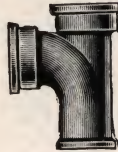


Fig. H-959

SANITARY "T" BRANCH
R. H. Side Inlet

Fig. H-960

SANITARY "T" BRANCHES

| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 | 5x4 | 5x5 |
|-----------------------|--------|------|------|------|------|------|------|------|-------|-------|-------|
| Price, Standard | each | .55 | .75 | .85 | .85 | 1.00 | 1.00 | 1.20 | 1.25 | 1.40 | 1.65 |
| " Extra Heavy | " | .75 | .90 | 1.10 | 1.10 | 1.25 | 1.40 | 1.45 | 1.55 | 1.70 | 2.00 |
| Size | inches | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | 7 | 8 | 10 | 12 | 15 |
| Price, Standard | each | 1.80 | 1.80 | 1.80 | 2.00 | 2.00 | 7.00 | 6.00 | 10.80 | 15.10 | 33.60 |
| " Extra Heavy | " | 2.15 | 2.15 | 2.15 | 2.45 | 2.45 | 9.80 | 9.00 | 15.10 | 19.40 | 42.00 |

Price, extra, for brass trap screws, 2.50.

SANITARY "T" BRANCHES, SIDE INLET

| Size of Inlet | inches | 2 | 3 | 4 | 5 | 6 |
|--|--------|------|------|------|------|------|
| Price, Extra, for Inlets to be added to above List of Sanitary "T" Branches | each | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 |

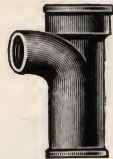
SANITARY "T" BRANCH
Tapped for Iron Pipe

Fig. H-961

LONG SANITARY "T" BRANCH

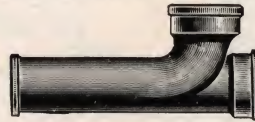


Fig. H-962

SANITARY "T" BRANCHES, TAPPED FOR IRON PIPE

| Size | inches | 2 | 3 | 4 | 5 | 6 |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Thread | inches | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 |
| Price, Standard | each | .75 | .95 | 1.25 | 1.85 | 2.95 |
| " Extra Heavy | " | .90 | 1.10 | 1.55 | 2.30 | 3.70 |

LONG SANITARY "T" BRANCHES

| Size | inches | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
|---------------------------|--------|------|------|------|------|------|------|------|------|------|
| Length in the Clear | inches | 18 | 24 | 18 | 24 | 30 | 36 | 18 | 24 | 30 |
| Price, Standard | each | 2.00 | 2.25 | .... | .... | .... | .... | 3.50 | 4.10 | 4.65 |
| " Extra Heavy | " | 2.45 | 2.75 | 3.25 | 3.85 | 4.45 | 5.05 | 4.30 | 5.05 | 5.85 |
| Size | inches | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Length in the Clear | inches | 36 | 18 | 24 | 30 | 36 | 18 | 24 | 30 | 36 |
| Price, Standard | each | 5.35 | .... | 4.95 | 5.70 | 6.60 | 4.90 | 5.80 | 6.80 | 7.70 |
| " Extra Heavy | " | 6.60 | 5.25 | 6.15 | 7.10 | 8.15 | 6.15 | 7.25 | 8.45 | 9.55 |

CAST IRON SOIL PIPE FITTINGS

"Y" BRANCH



Fig. H-963

HALF "Y" BRANCH



Fig. H-964

"Y" BRANCH
R. H. Side Inlet

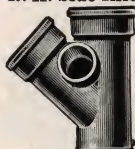


Fig. H-965

HALF "Y" BRANCH
R. H. Side Inlet



Fig. H-966

"Y" AND HALF "Y" BRANCHES

| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 | 5x4 | 5x5 |
|-----------------------|--------|------|------|------|------|------|------|------|-------|-------|-------|
| Price, Standard | each | .55 | .75 | .85 | .85 | 1.00 | 1.00 | 1.20 | 1.25 | 1.40 | 1.65 |
| " Extra Heavy | " | .75 | .90 | 1.10 | 1.10 | 1.25 | 1.40 | 1.45 | 1.55 | 1.70 | 2.00 |
| Size | inches | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | 7 | 8 | 10 | 12 | 15 |
| Price, Standard | each | 1.80 | 1.80 | 1.80 | 2.00 | 2.00 | 7.00 | 6.00 | 10.80 | 15.10 | 33.60 |
| " Extra Heavy | " | 2.15 | 2.15 | 2.15 | 2.45 | 2.45 | 9.80 | 9.00 | 15.10 | 19.40 | 42.00 |

Price, extra, for brass trap screws, 2.50.

"Y" AND HALF "Y" BRANCHES, SIDE INLET

| Size of Inlet | inches | 2 | 3 | 4 | 5 | 6 |
|--|--------|------|------|------|------|------|
| Price, Extra, for Inlets to be added to above List of "Y" Branches | each | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 |

INVERTED
"Y" BRANCH



Fig. H-967

INVERTED "Y" BRANCH
Tapped for Iron Pipe



Fig. H-968

LONG "Y" BRANCH



Fig. H-969

INVERTED "Y" BRANCHES

| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x4 | 5x2 | 5x4 | 5x5 | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 |
|-----------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Price, Standard | each | 1.00 | .... | 1.40 | .... | 1.40 | .... | .... | 3.40 | .... | .... | .... | .... | 4.95 |
| " Extra Heavy | " | 1.25 | 1.85 | 1.85 | 2.15 | 2.15 | 3.05 | 3.85 | 4.60 | 4.60 | 4.60 | 6.15 | 6.15 | 6.15 |

INVERTED "Y" BRANCHES, TAPPED FOR IRON PIPE

| | | | |
|--------------------------|-----------|-----------|-----------|
| Size.....inches | 2 | 3 | 4 |
| Thread.....inches | 1¼, 1½, 2 | 1¼, 1½, 2 | 1¼, 1½, 2 |
| Price, Standard.....each | 1.40 | 2.00 | 2.20 |
| “ Extra Heavy.....“ | 1.70 | 2.45 | 2.75 |

LONG "Y" BRANCHES

| Size | inches | 2 | 2 | 4 | 4 | 4 | 4 | 5 |
|---------------------------|--------|------|------|------|------|------|------|------|
| Length in the Clear | inches | 18 | 24 | 18 | 24 | 30 | 36 | 18 |
| Price, Standard | each | 2.00 | 2.25 | 3.50 | 4.10 | 4.65 | 5.35 | .... |
| " Extra Heavy | " | 2.45 | 2.75 | 4.30 | 5.05 | 5.85 | 6.60 | 5.25 |
| Size | inches | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Length in the Clear | inches | 24 | 30 | 36 | 18 | 24 | 30 | 36 |
| Price, Standard | each | 4.95 | 5.70 | 6.60 | 4.90 | 5.80 | 6.80 | 7.70 |
| " Extra Heavy | " | 6.15 | 7.10 | 8.15 | 6.15 | 7.25 | 8.45 | 9.55 |

CAST IRON SOIL PIPE FITTINGS

DOUBLE "Y" BRANCH

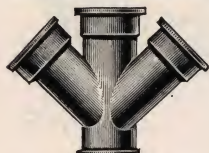


Fig. H-970

DOUBLE HALF "Y" BRANCH

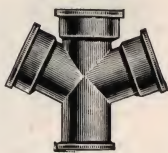


Fig. H-971

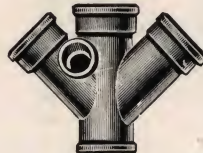
DOUBLE "Y" BRANCH
Side Inlet

Fig. H-972

DOUBLE HALF "Y" BRANCH
Side Inlet

Fig. H-973

DOUBLE AND DOUBLE HALF "Y" BRANCHES

| | | | | | | | | |
|----------------------|--------|------|-------|-------|-------|-------|------|------|
| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 |
| Price, Standard..... | each | 1.25 | 1.65 | 1.65 | 1.80 | 1.80 | 1.80 | 4.95 |
| " Extra Heavy..... | " | 1.55 | .... | 2.00 | .... | .... | 2.15 | .... |
| Size | inches | 5x3 | 5x4 | 5x5 | 6x2 | 6x3 | 6x4 | 6x5 |
| Price, Standard..... | each | 4.95 | 4.95 | 4.95 | 6.15 | 6.15 | 6.15 | 6.15 |
| " Extra Heavy..... | " | .... | .... | 6.15 | .... | .... | .... | .... |
| Size | inches | 6x6 | 7 | 8 | 10 | 12x10 | .... | .... |
| Price, Standard..... | each | 6.15 | 10.50 | 9.00 | 16.20 | 22.70 | .... | .... |
| " Extra Heavy..... | " | 7.70 | 14.70 | 13.50 | 22.65 | 29.15 | .... | .... |

Add for side inlet: 2-inch, 1.00; 3-inch, 1.25; 4-inch, 1.50; 5-inch 2.00; 6-inch, 2.50.
Add for brass trap screws, 2.50.

VENTILATING
BRANCH

Fig. H-974

VENTILATING BRANCH
Tapped for Iron Pipe

Fig. H-975

VENTILATING BRANCHES

| | | | | | | | | | |
|----------------------|--------|------|------|------|------|------|------|------|------|
| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 |
| Price, Standard..... | each | .90 | .... | 1.15 | .... | .... | 1.40 | .... | .... |
| " Extra Heavy..... | " | 1.10 | 1.40 | 1.40 | 1.40 | 1.85 | 1.85 | 5.40 | 5.40 |
| Size | inches | 5x4 | 5x5 | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | .... |
| Price, Standard..... | each | .... | 4.35 | .... | .... | .... | .... | 6.15 | .... |
| " Extra Heavy..... | " | 5.40 | 5.40 | 7.70 | 7.70 | 7.70 | 7.70 | 7.70 | .... |

VENTILATING BRANCHES, TAPPED FOR IRON PIPE

| | | | | |
|----------------------|--------|-----------------|-----------------|-----------------|
| Size | inches | 2 | 3 | 4 |
| Thread | inches | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 |
| Price, Standard..... | each | 1.40 | 2.00 | 2.20 |
| " Extra Heavy..... | " | 1.70 | 2.45 | 2.75 |

CAST IRON SOIL PIPE FITTINGS

CROSS

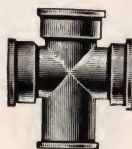


Fig. H-976

SANITARY CROSS

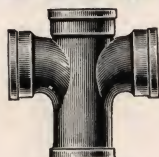


Fig. H-977

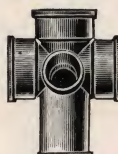
CROSS
Side Inlet

Fig. H-978

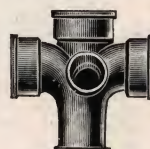
SANITARY CROSS
Side Inlet

Fig. H-979

CROSSES

| | | | | | | | | | | | |
|-----------------------|--------|------|------|------|------|------|-------|-------|-------|-------|------|
| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 | 5x4 | 5x5 |
| Price, Standard | each | 1.25 | 1.65 | 1.65 | 1.80 | 1.80 | 1.80 | 4.95 | 4.95 | 4.95 | 4.95 |
| " Extra Heavy | " | 1.55 | .... | 2.00 | .... | .... | 2.15 | .... | .... | .... | 6.15 |
| Size | inches | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | 7 | 8 | 10 | 12x10 | .... |
| Price, Standard | each | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 10.50 | 9.00 | 16.20 | 22.70 | .... |
| " Extra Heavy ..... | " | .... | .... | .... | .... | 7.70 | 14.70 | 13.50 | 22.65 | 29.15 | .... |

SANITARY CROSSES

| | | | | | | | | | | |
|-----------------------|--------|------|------|------|------|------|------|-------|-------|------|
| Size | inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x3 | 4x4 | 5x2 | 5x3 | 5x4 |
| Price, Standard | each | 1.25 | 1.65 | 1.65 | 1.80 | 1.80 | 1.80 | 4.95 | 4.95 | 4.95 |
| " Extra Heavy | " | 1.55 | .... | 2.00 | .... | .... | 2.15 | .... | .... | .... |
| Size | inches | 5x5 | 6x2 | 6x3 | 6x4 | 6x5 | 6x6 | 8 | 10 | .... |
| Price, Standard | each | 4.95 | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 9.00 | 16.20 | .... |
| " Extra Heavy | " | 6.15 | .... | .... | .... | .... | 7.70 | 13.50 | 22.65 | .... |

CROSSES AND SANITARY CROSSES, SIDE INLET

| | | | | | | |
|--|--------|------|------|------|------|------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Price, Extra for Inlets to be added to above Lists, each | | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 |

CROSS
Tapped for Iron Pipe

Fig. H-980

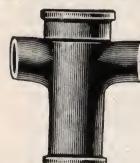
SANITARY CROSS
Tapped for Iron Pipe

Fig. H-981

CROSSES, TAPPED FOR IRON PIPE

| | | | | | | |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Thread | inches | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 |
| Price, Standard | each | 1.15 | 1.25 | 1.40 | 2.25 | 3.45 |
| " Extra Heavy | " | 1.40 | 1.55 | 1.70 | 2.80 | 4.30 |

SANITARY CROSSES, TAPPED FOR IRON PIPE

| | | | | | | |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Thread | inches | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 | 1 1/4, 1 1/2, 2 |
| Price, Standard | each | 1.25 | 1.50 | 1.75 | 2.75 | 4.10 |
| " Extra Heavy | " | 1.55 | 1.85 | 2.15 | 3.40 | 5.10 |

CAST IRON SOIL PIPE FITTINGS

OFFSET



Fig. H-982

INCREASER



Fig. H-983

INCREASER
Tapped for Iron Pipe

Fig. H-984

SHORT INCREASER
Tapped for Iron Pipe

Fig. H-985

OFFSETS

| | | | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| Size.....inches | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Offset.....inches | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 2 | |
| Price, Standard.....each | .60 | .60 | .75 | .75 | 1.00 | 1.15 | 1.25 | 1.35 | 1.70 | 2.00 | .... | 2.45 | .95 | |
| " Extra Heavy .. " | .75 | .75 | .90 | .90 | 1.25 | 1.40 | 1.55 | 1.70 | 2.15 | 2.45 | 2.75 | 3.05 | 1.15 | |
| Size.....inches | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| Offset.....inches | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 2 | 4 | |
| Price, Standard.....each | 1.00 | 1.10 | 1.25 | 1.50 | 1.65 | 1.90 | 2.10 | 2.30 | 2.75 | 3.10 | 3.70 | 1.00 | 1.00 | |
| " Extra Heavy .. " | 1.25 | 1.40 | 1.55 | 1.85 | 2.00 | 2.30 | 2.60 | 2.90 | 3.40 | 3.85 | 4.60 | 1.25 | 1.25 | |
| Size.....inches | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | |
| Offset.....inches | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 2 | 4 | 6 | |
| Price, Standard.....each | 1.10 | 1.25 | 1.50 | 1.60 | 1.90 | 2.00 | 2.30 | 2.60 | 3.10 | 3.70 | 2.45 | 2.45 | 2.65 | |
| " Extra Heavy .. " | 1.40 | 1.55 | 1.85 | 2.00 | 2.45 | 3.40 | 3.55 | 4.30 | 4.60 | 5.05 | 3.05 | 3.05 | 3.40 | |
| Size.....inches | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Offset.....inches | 8 | 10 | 12 | 14 | 16 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | |
| Price, Standard.....each | 3.00 | 3.50 | 3.65 | 5.05 | 5.35 | 3.35 | 3.35 | 3.70 | 4.30 | 4.95 | 6.15 | 6.75 | 7.10 | |
| " Extra Heavy .. " | 3.80 | 4.00 | 4.45 | 6.30 | 6.60 | 4.15 | 4.15 | 4.60 | 5.40 | 6.15 | 7.70 | 8.30 | 8.75 | |

INCREASERS—Hub End to Govern Price

| | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|
| Size.....inches | 2x3 | 2x4 | 2x5 | 2x6 | 3x4 | 3x5 | 3x6 |
| Price, Standard.....each | .90 | .90 | 1.25 | 1.85 | 1.85 | 1.85 | 1.85 |
| " Extra Heavy....." | 1.10 | 1.10 | 1.55 | 2.30 | 2.30 | 2.30 | 2.30 |
| Size.....inches | 4x5 | 4x6 | 5x6 | 6x7 | 6x8 | 8x10 | 8x12 |
| Price, Standard.....each | 1.85 | 1.85 | 2.45 | 2.25 | 2.00 | 4.35 | .... |
| " Extra Heavy....." | 2.30 | 2.30 | 3.05 | 3.85 | 5.00 | 7.00 | 9.20 |

INCREASERS, TAPPED FOR IRON PIPE

| | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Size, Hub.....inches | 2 | 2 | 3 | 3 | 4 | 4 |
| Thread.....inches | 1¼ | 1½ | 1½ | 2 | 1¼ | 1½ |
| Price, Standard.....each | .... | .... | 1.40 | 1.40 | 1.50 | 1.50 |
| " Extra Heavy....." | .... | .... | .... | 1.70 | 1.85 | 1.85 |
| " Short, Standard....." | .75 | .75 | .... | .... | 1.00 | 1.00 |
| " Extra Heavy....." | .90 | .90 | 1.10 | 1.10 | 1.25 | 1.25 |
| Size, Hub.....inches | 4 | 4 | 5 | 5 | 5 | 6 |
| Thread.....inches | 2 | 3 | 1½ | 2 | 3 | 2 |
| Price, Standard.....each | 1.50 | 1.85 | .... | 2.10 | 2.10 | .... |
| " Extra Heavy....." | 1.85 | 2.30 | .... | 2.45 | .... | .... |
| " Short, Standard....." | 1.00 | .... | 1.25 | 1.25 | .... | .... |
| " Extra Heavy....." | 1.25 | .... | 1.55 | 1.55 | .... | 2.30 |

CAST IRON SOIL PIPE FITTINGS

VENT CAP FRESH AIR INLET



Fig. H-986



Fig. H-987



Fig. H-988

DOUBLE HUB



Fig. H-989

SLEEVE



Fig. H-990

REDUCER



Fig. H-991

PLUG



Fig. H-992

VENT CAPS AND FRESH AIR INLETS

| | | | | | |
|---|------|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 |
| Price, Short Vent Caps, Standard.....each | .60 | .70 | .90 | 1.85 | 2.00 |
| " Fresh Air Inlets, "....." | .... | .... | 1.10 | .... | .... |

SINGLE AND DOUBLE HUBS

| | | | | | | | | | |
|--------------------------------------|-----|-----|-----|------|------|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Price, Standard, Single Hub.....each | .50 | .65 | .70 | 1.25 | 1.85 | 3.50 | 2.50 | .... | .... |
| " Extra Heavy, Single Hub. "....." | .60 | .90 | .90 | 1.55 | 2.45 | 4.90 | 3.50 | 4.85 | .... |
| " Standard, Double Hub. "....." | .40 | .50 | .60 | 1.00 | 1.15 | 3.50 | 2.50 | 3.80 | 5.40 |
| " Extra Heavy, Double Hub....." | .45 | .75 | .75 | 1.25 | 1.55 | 4.90 | 3.50 | 4.85 | 9.20 |

SLEEVES

| | | | | | | | | | |
|--------------------------|-----|-----|-----|------|------|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Price, Standard.....each | .60 | .75 | .75 | 1.25 | 1.85 | 3.50 | 2.50 | 3.80 | 5.40 |
| " Extra Heavy... "....." | .75 | .90 | .90 | 1.55 | 2.30 | 4.90 | 3.50 | 4.85 | 9.20 |

REDUCERS

| | | | | | | | | |
|--------------------------|------|------|------|------|------|-------|-------|------|
| Size.....inches | 3x2 | 4x2 | 4x3 | 5x2 | 5x3 | 5x4 | 6x2 | 6x3 |
| Price, Standard.....each | .40 | .40 | .45 | .60 | .60 | .60 | .60 | .85 |
| " Extra Heavy....." | .45 | .45 | .55 | .75 | .75 | .75 | .75 | 1.00 |
| Size.....inches | 6x4 | 6x5 | 7x6 | 8x6 | 10x8 | 12x10 | 15x12 | .... |
| Price, Standard.....each | .85 | .85 | 2.45 | 2.50 | 4.85 | 6.75 | 13.30 | .... |
| " Extra Heavy....." | 1.00 | 1.00 | 4.55 | 4.25 | 6.20 | 10.80 | 22.30 | .... |

PLUGS

| | | | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Price, Standard.....each | .25 | .40 | .45 | .60 | .75 | 1.30 | 1.20 | 2.15 | 3.25 |
| " Extra Heavy... "....." | .30 | .45 | .60 | .75 | .90 | 1.75 | 1.50 | 3.25 | 4.30 |

PIPE BANDS WITH "T" BRANCH



Fig. H-993



Fig. H-994



Fig. H-995

PLAIN

| | | | | | |
|--------------------------|------|------|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 |
| Price, Standard.....each | .90 | 1.00 | 1.15 | 1.35 | 1.60 |
| " Extra Heavy....." | 1.10 | 1.25 | 1.40 | 1.70 | 2.00 |

WITH "T" OR "Y" BRANCHES

| | | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|------|
| Size.....inches | 2x2 | 3x2 | 3x3 | 4x2 | 4x4 | 5x2 | 5x4 | 5x5 | 6x2 | 6x4 |
| Price, Standard.....each | 1.05 | 1.20 | 1.20 | 1.30 | 1.50 | 1.60 | 1.75 | 1.85 | 1.95 | 2.10 |
| " Extra Heavy....." | 1.30 | 1.45 | 1.45 | 1.60 | 1.85 | 2.00 | 2.15 | 2.30 | 2.45 | 2.60 |

CAST IRON SOIL PIPE FITTINGS

LONG INCREASERS

FOR CALKING



Fig. H-996

TAPPED FOR IRON PIPE



Fig. H-997

FOR CALKING

| Size.....inches | 2x4 | | | | 3x4 |
|--------------------------|------|------|------|------|------|
| Length.....inches | 24 | 30 | 36 | 48 | 24 |
| Price, Standard.....each | 1.25 | 1.65 | 2.00 | 2.50 | 2.00 |
| “ Extra Heavy.....“ | 1.55 | 2.00 | 2.45 | 3.10 | 2.45 |

| Size.....inches | 4x5 | | 4x6 | | |
|--------------------------|------|------|------|------|------|
| Length.....inches | 30 | 36 | 24 | 30 | 36 |
| Price, Standard.....each | 2.00 | 3.70 | 3.70 | 3.70 | 4.30 |
| “ Extra Heavy.....“ | 2.45 | 4.60 | 4.60 | 4.60 | 5.40 |

TAPPED FOR IRON PIPE

| | | | |
|--------------------------|------|------|------|
| Spigot.....inches | 4 | 4 | 4 |
| Length.....inches | 24 | 24 | 48 |
| Thread.....“ | 1½ | 2 | 2 |
| Price, Standard.....each | 2.25 | 2.25 | 3.00 |
| “ Extra Heavy.....“ | 2.75 | 2.75 | .... |

STRAINER

FLOOR PLATE



Fig. H-998

PIPE REST



Fig. H-999



Fig. H-1000

PIPE HOOK



Fig. H-1001

FLOOR PLATES

| | |
|--------------------------|-----|
| Size.....inches | 4 |
| Price, Standard.....each | .75 |

PIPE RESTS

| | | | | | | | |
|---------------------------------|-----|-----|-----|-----|------|------|------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| Price, Plain, Standard.....each | .30 | .40 | .40 | .75 | .95 | 1.75 | 2.15 |
| “ “ Extra Heavy.....“ | .40 | .45 | .45 | .90 | 1.15 | 2.25 | 3.25 |

STRAINERS

| | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| Price, Standard.....each | .10 | .12 | .15 | .20 | .25 | .45 | .90 |

PIPE HOOKS

| | | | | | |
|-----------------|-----|-----|-----|-----|-----|
| Size.....inches | 2 | 3 | 4 | 5 | 6 |
| Price.....each | .15 | .18 | .22 | .28 | .35 |

CAST IRON SOIL PIPE FITTINGS

PLAIN TRAPS



Fig. H-1002



Fig. H-1003



Fig. H-1004

| | | | | | | |
|--------------------------|------|------|------|------|------|-------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard.....each | .90 | 1.15 | 1.50 | 4.30 | 4.95 | 10.00 |
| " Extra Heavy....." | 1.10 | 1.40 | 1.85 | 5.40 | 6.15 | 13.00 |

TRAPS WITH BRASS TRAP SCREW



Fig. H-1005



Fig. H-1006



Fig. H-1007

| | | | | | | |
|--------------------------|------|------|------|------|------|-------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard.....each | 3.40 | 3.65 | 4.00 | 6.80 | 7.45 | 12.50 |
| " Extra Heavy....." | 3.60 | 3.90 | 4.35 | 7.90 | 8.65 | 15.50 |

TRAPS WITH TOP VENT



Fig. H-1008

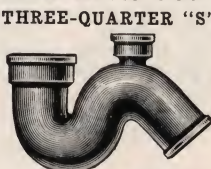


Fig. H-1009



Fig. H-1010

| | | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Size.....inches | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Vent.....inches | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 4 | 5 | 2 | 4 | 5 | 6 |
| Price, Standard.....each | 1.25 | 1.35 | 1.35 | 2.30 | 2.30 | 2.30 | 5.50 | 5.50 | 5.50 | 7.40 | 7.40 | .... | 7.40 |
| " Extra Heavy... " | 1.55 | 1.70 | 1.70 | 2.75 | 2.75 | 2.75 | 6.90 | 6.90 | 6.90 | 9.25 | 9.25 | 9.25 | 9.25 |

TRAPS WITH TOP VENT AND BRASS TRAP SCREW



Fig. H-1011



Fig. H-1012



Fig. H-1013

| | | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Size.....inches | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Vent.....inches | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 4 | 5 | 2 | 4 | 5 | 6 |
| Price, Standard..each | 3.75 | 3.85 | 3.85 | 4.80 | 4.80 | 4.80 | 8.00 | 8.00 | 8.00 | 9.90 | 9.90 | .... | 9.90 |
| " Extra Heavy.. " | 4.05 | 4.20 | 4.20 | 5.25 | 5.25 | 5.25 | 9.40 | 9.40 | 9.40 | 11.75 | 11.75 | 11.75 | 11.75 |

CAST IRON SOIL PIPE FITTINGS

TRAPS WITH HANDHOLE AND COVER

FULL "S"



Fig. H-1014

THREE-QUARTER "S"



Fig. H-1015

HALF "S"



Fig. H-1016

| | | | | | | | |
|-----------------------|--------|------|------|------|------|------|-------|
| Size | inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard | each | 1.25 | 1.85 | 2.50 | 4.95 | 5.55 | 10.75 |
| " Extra Heavy | " | 1.55 | 2.30 | 3.10 | 6.15 | 6.90 | 13.75 |

TRAPS WITH HANDHOLE AND COVER AND 2-INCH HEEL INLET

FULL "S"



Fig. H-1017

THREE-QUARTER "S"



Fig. H-1018

HALF "S"



Fig. H-1019

| | | | | | | |
|-----------------------|--------|------|------|------|------|------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Price, Standard | each | 2.25 | 3.10 | 4.00 | 6.95 | 8.05 |
| " Extra Heavy | " | 2.55 | 3.55 | 4.60 | 8.15 | 9.40 |

TRAPS WITH HANDHOLE AND COVER AND 2-INCH SIDE INLET

FULL "S"



Fig. H-1020

THREE-QUARTER "S"



Fig. H-1021

HALF "S"



Fig. H-1022

| | | | | | | |
|-----------------------|--------|------|------|------|------|------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Price, Standard | each | 2.25 | 3.10 | 4.00 | 6.95 | 8.05 |
| " Extra Heavy | " | 2.55 | 3.55 | 4.60 | 8.15 | 9.40 |

RUNNING TRAPS

PLAIN



Fig. H-1023

WITH HANDHOLE AND COVER

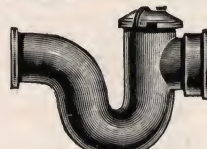


Fig. H-1024

PLAIN

| | | | | | | | |
|-----------------------|--------|------|------|------|------|------|-------|
| Size | inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard | each | .90 | 1.15 | 1.50 | 4.30 | 4.95 | 10.00 |
| " Extra Heavy | " | 1.10 | 1.40 | 1.85 | 5.40 | 6.15 | 13.00 |

WITH HANDHOLE AND COVER

| | | | | | | | |
|-----------------------|--------|------|------|------|------|------|-------|
| Size | inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Price, Standard | each | 1.25 | 1.85 | 2.50 | 4.95 | 5.55 | 10.75 |
| " Extra Heavy | " | 1.55 | 2.30 | 3.10 | 6.15 | 6.90 | 13.75 |

CAST IRON SOIL PIPE FITTINGS

SANITARY "T" CLEANOUT
TRAP SCREW ON MAIN

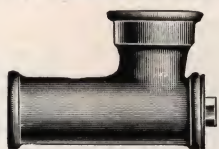


Fig. H-1025

"Y" CLEANOUT
TRAP SCREW ON MAIN

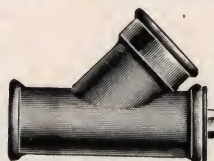


Fig. H-1026

"Y" CLEANOUT
TRAP SCREW ON BRANCH

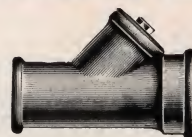


Fig. H-1027

| Size.....inches | 2 | 3 | 4 | 5 | 6 |
|--|------|------|------|------|------|
| Price, Sanitary "T" Cleanouts, Trap Screw on Main, Standard.....each | 1.50 | 1.70 | 1.70 | 3.25 | 3.70 |
| " " " " " " Extra Heavy..... " | 1.85 | 2.15 | 2.15 | 4.00 | 4.60 |
| " "Y" Cleanouts, Trap Screw on Main, Standard..... " | 1.40 | 2.00 | 2.45 | 4.30 | 4.95 |
| " "Y" " " " " Extra Heavy..... " | 1.85 | 2.45 | 3.05 | 5.40 | 6.15 |
| " "Y" " " " " Branch, Standard..... " | 1.40 | 2.00 | 2.45 | 4.30 | 4.95 |
| " "Y" " " " " Extra Heavy..... " | 1.85 | 2.45 | 3.05 | 5.40 | 6.15 |

COMBINATION "Y" AND EIGHTH BEND
TRAP SCREW ON MAIN

"T" CLEANOUT
TRAP SCREW ON BRANCH



Fig. H-1028

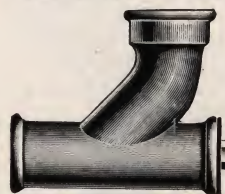


Fig. H-1029

| Size.....inches | 2 | 3 | 4 |
|---|------|------|------|
| Price, "T" Cleanouts, Standard.....each | 1.50 | 1.70 | 1.70 |
| " " " " Extra Heavy..... " | 1.85 | 2.15 | 2.15 |
| " Combination "Y" and Eighth Bends, Standard..... " | 1.85 | 2.45 | 3.10 |
| " " " " " " Extra Heavy..... " | 2.30 | 3.05 | 3.85 |

PALMER SEWER VALVES

VALVE AND SETTING

WITH HANDHOLE AND COVER

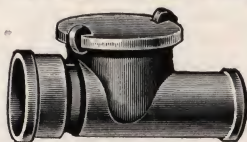


Fig. H-1030

WITH HUB

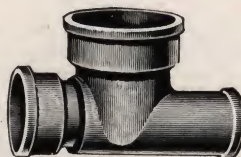


Fig. H-1031

VALVE
ONLY



Fig. H-1032

| Size.....inches | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 |
|---------------------------------|------|------|------|------|-------|-------|------|-------|-------|
| Price, Valve and Setting...each | 6.00 | 6.50 | 7.50 | 9.00 | 10.00 | 15.00 | .... | 30.00 | 50.00 |
| " " only..... " | 1.00 | 1.20 | 1.60 | 2.00 | 2.40 | 3.80 | 6.00 | 15.00 | 20.00 |

IDEAL CLOSET CONNECTIONS OR BENDS

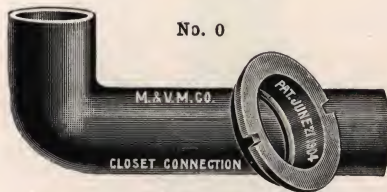


Fig. H-1040



Fig. H-1041



Fig. H-1042



Fig. H-1043

In connecting water closets these bends take the place of lead bend, brass ferrule, brass floor plate and solder necessary to make the joints. The flanged bell is made separate. It slips over the short end of the connection and is calked to position from the top with oakum and lead.

Dimension of all bends Nos. 0 to 110: Center to end, 16 inches; Center to top, 6 inches; top of bend to top of flange when in position, $3\frac{3}{4}$ inches; height of flange, $2\frac{1}{2}$ inches; diameter of flange, 7 inches, size of opening, 4 inches.

| | | | | | | | Standard | Ex. Heavy |
|-------|---------|--------------------|----------------------|------------|-----------------------------|-----------------|----------|-----------|
| No. 0 | without | Side | Openings | ..... | each | | 2.10 | 2.40 |
| " 11 | with | Two | $1\frac{1}{2}$ -inch | I. P. Size | Openings on Right Hand Side | ..... | 2.10 | 2.40 |
| " 19 | " | " 2 | " | " | " | " | 2.10 | 2.40 |
| " 12 | " | " $1\frac{1}{2}$ | " | " | " | Left | 2.10 | 2.40 |
| " 110 | " | " 2 | " | " | " | " | 2.10 | 2.40 |
| " 13 | " | One $1\frac{1}{2}$ | " | " | " | Each Side | 2.10 | 2.40 |
| " 18 | " | " 2 | " | " | " | " | 2.10 | 2.40 |
| " 14 | " | " $1\frac{1}{2}$ | " | " | " | Right Hand Side | 2.10 | 2.40 |
| " 16 | " | " 2 | " | " | " | " | 2.10 | 2.40 |
| " 15 | " | " $1\frac{1}{2}$ | " | " | " | Left | 2.10 | 2.40 |
| " 17 | " | " 2 | " | " | " | " | 2.10 | 2.40 |

ROOF FLASHES

BULLARD ADJUSTABLE

APPLIED ON FLAT ROOF

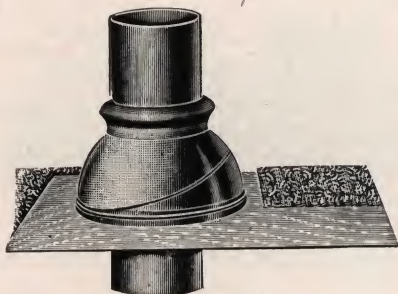


Fig. H-1044

APPLIED ON PITCHED ROOF

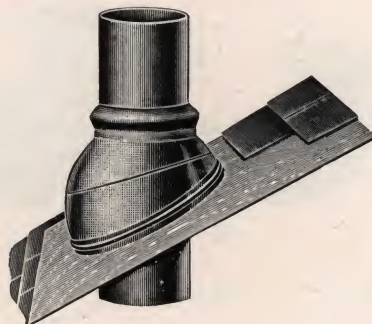


Fig. H-1045

GALVANIZED STEEL

| | | | | | | | | |
|-------------|-----------|------|------|-------|-------|-------|-------|-------|
| Size | inches | 1¼ | 1½ | 2 | 3 | 4 | 5 | 6 |
| Price | per dozen | 8.00 | 8.00 | 10.00 | 11.00 | 12.00 | 17.00 | 30.00 |

COPPER

| | | | | | | | | |
|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Size | inches | 1¼ | 1½ | 2 | 3 | 4 | 5 | 6 |
| Price | per dozen | 15.00 | 15.00 | 17.00 | 19.00 | 20.00 | 27.00 | 40.00 |

The Adjustable Flash is adaptable to any roof from flat to 45 degrees pitch. No solder is required.

It consists of a two-piece steel or copper ball joint, a flange apron and a lead collar.

The three flanged pieces are stamped out of 26 gauge cold rolled steel or 12 ounce copper. The lead collar that encircles the flange at the top is for calking, insuring against any possibility of a leak at the top opening of flange, where the soil pipe passes through.

LEAD

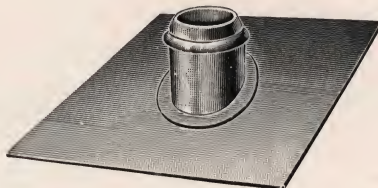


Fig. H-1046

| | | | | | | | | | |
|-------------|--------|------|------|------|------|------|------|------|------|
| Size | inches | 1 | 1¼ | 1½ | 2 | 3 | 4 | 5 | 6 |
| Price | each | 1.20 | 1.25 | 1.30 | 1.50 | 1.70 | 1.90 | 2.50 | 4.30 |

Made entirely of lead and any angle or flat.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe
90° LONG TURN ELBOW 45° LONG TURN ELBOW

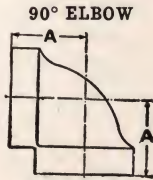


Fig. H-1047

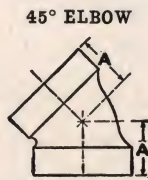


Fig. H-1048

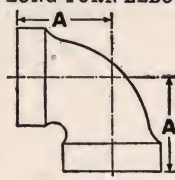


Fig. H-1049

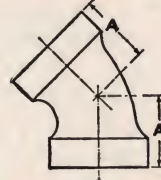


Fig. H-1050



Fig. H-1051



Fig. H-1052



Fig. H-1053



Fig. H-1054

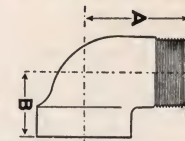


Fig. H-1055

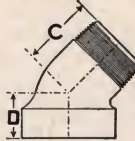


Fig. H-1056

90° AND 45° ELBOWS

| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 |
|------------------------------|-------|--------|-------|--------|--------|-------|--------|--------|-------|--------|-------|-------|--------|
| Dimens. A, 90°. inches | 1 3/4 | 2 3/16 | 2 3/8 | 2 3/4 | 3 3/16 | 3 3/8 | 4 1/2 | 5 3/16 | 5 3/8 | 6 1/2 | 7 3/4 | 9 | 9 3/4 |
| " A, 45°.. " | 1 3/8 | 1 7/16 | 1 3/4 | 2 1/16 | 2 3/8 | 2 3/4 | 3 3/16 | 3 3/8 | 3 3/4 | 4 3/16 | 4 7/8 | 5 1/2 | 5 7/8 |
| Price, 90° or 45°, Blk..each | .30 | .38 | .57 | 1.20 | 1.45 | 2.30 | 4.25 | 6.25 | 11.50 | 15.00 | 31.00 | 47.50 | 65.00 |
| " 90° " 45°, Galv. " | .52 | .67 | 1.00 | 2.10 | 2.55 | 4.00 | 7.40 | 11.00 | 20.00 | 26.25 | 54.00 | 83.00 | 114.00 |

90° drainage elbows, size 1 1/2x1 1/4; black, .57; galvanized, 1.00.

90° AND 45° LONG TURN ELBOWS

| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 |
|------------------------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|
| Dimens. A, 90°. inches | 2 1/4 | 2 1/2 | 3 1/16 | 3 3/16 | 4 1/4 | 5 3/16 | 6 1/8 | 7 1/8 | 8 1/8 | 9 | 11 | 13 | 14 1/4 |
| " A, 45°.. " | 1 7/8 | 2 1/4 | 2 5/8 | 2 7/8 | 3 1/16 | 4 1/8 | 4 7/8 | 5 1/2 | 6 | 7 1/2 | 8 3/4 | 9 1/2 | 10 1/2 |
| Price, 90° or 45°, Blk..each | *.35 | .42 | .65 | 1.40 | 1.75 | 2.75 | 5.25 | 7.50 | 13.50 | 19.00 | 38.00 | 57.50 | 75.00 |
| " 90° " 45°, Galv. " | *.60 | .72 | 1.15 | 2.45 | 3.10 | 4.80 | 9.20 | 13.15 | 23.50 | 33.25 | 66.50 | 100.00 | 130.00 |

*45° long turn elbows not listed in 1 1/4-inch size.

60° AND 11 1/4° ELBOWS

| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|----------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Dimensions A, 60°....inches | 1 9/16 | 1 3/4 | 2 | 2 1/2 | 2 7/8 | 3 3/8 | 3 7/8 | 4 3/16 | 4 1/2 | 5 3/8 | 6 1/4 |
| " A, 11 1/4°.. " | 1 7/16 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 |
| Price, 60° or 11 1/4°, Blk..each | .30 | .38 | .57 | 1.20 | 1.45 | 2.30 | 4.25 | 6.25 | 11.50 | 15.00 | 31.00 |
| " 60° " 11 1/4°, Galv.. " | .52 | .67 | 1.00 | 2.10 | 2.55 | 4.00 | 7.40 | 11.00 | 20.00 | 26.25 | 54.00 |

22 1/2° AND 5 5/8° ELBOWS

| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dimens. A, 22 1/2°..inches | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 2 3/4 | 3 1/4 | 3 3/4 | 4 1/4 | 4 3/4 |
| " A, 5 5/8°.. " | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 2 3/4 | 3 1/4 | 3 3/4 | 4 1/4 | 4 3/4 |
| Price, 22 1/2°, Blk...each | .30 | .38 | .57 | 1.20 | 1.45 | 2.30 | 4.25 | 6.25 | 11.50 | 15.00 | 31.00 | 47.50 |
| " 22 1/2°, Galv .. " | .52 | .67 | 1.00 | 2.10 | 2.55 | 4.00 | 7.40 | 11.00 | 20.00 | 26.25 | 54.00 | 83.00 |
| " 5 5/8°, Blk ... " | .30 | .38 | .57 | 1.20 | 1.45 | 2.30 | 4.25 | 6.25 | 11.50 | 15.00 | 31.00 | 47.50 |
| " 5 5/8°, Galv ... " | .52 | .67 | 1.00 | 2.10 | 2.55 | 4.00 | 7.40 | 11.00 | 20.00 | 26.25 | 54.00 | 83.00 |

90° elbows and 90° long turn elbows are tapped, pitched 1/4 inch to the foot.

90° AND 45° STREET ELBOWS

| Size Inches | DIMENSIONS, INCHES | | | | PRICE, EACH | |
|----------------|--------------------|--------|---|-------|-------------|------------|
| | A | B | C | D | Black | Galvanized |
| 1 1/2 | 2 5/16 | 1 3/16 | 2 | 1 1/4 | .40 | .70 |

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

90° LONG TURN ELBOWS, WITH CLEANOUT
WITHOUT BASE WITH BASE

90° ELBOW
SIDE OUTLET

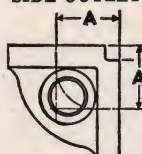


Fig. H-1057

90° ELBOW
HEEL OUTLET

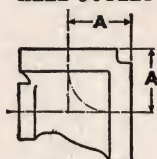


Fig. H-1058

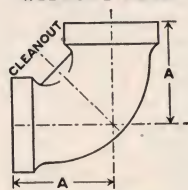


Fig. H-1059

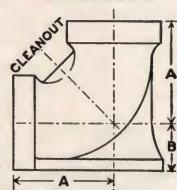


Fig. H-1060

| Description | 90° ELBOWS | | 90° LONG TURN ELBOWS WITH CLEANOUT | |
|-----------------------|---------------------|---------------------|---------------------------------------|-----------------|
| | With Side Outlet | With Heel Outlet | Without Base | With Base |
| Size | 4 | 4 | 4 | 4 |
| Dimensions A | 3 $\frac{3}{16}$ | 3 $\frac{3}{16}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ |
| “ B | 2 | 2 | 2 | 2 |
| Size of Outlets | 2 | 2 | 2 | 2 |
| Price, Black | 3.85 | 3.85 | 5.00 | 7.00 |
| “ Galvanized | 6.75 | 6.75 | 8.75 | 12.25 |

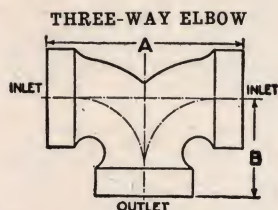


Fig. H-1061

CLOSET ELBOW
FLANGED ONE END

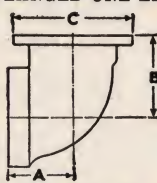


Fig. H-1062

REDUCING
CLOSET ELBOW

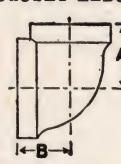


Fig. H-1063

THREE-WAY ELBOWS

| | | | | | | |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Size | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 | 2 $\frac{1}{2}$ | 3 | 4 |
| Dimensions A | 5 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 7 $\frac{3}{8}$ | 8 $\frac{5}{8}$ | 10 $\frac{3}{8}$ | 12 $\frac{3}{8}$ |
| “ B | 2 $\frac{5}{8}$ | 3 $\frac{1}{8}$ | 3 $\frac{1}{2}$ | 4 $\frac{1}{2}$ | 5 $\frac{1}{2}$ | 6 $\frac{1}{2}$ |
| Price, Black | .75 | .85 | 1.10 | 2.25 | 3.00 | 5.00 |
| “ Galvanized | 1.25 | 1.50 | 1.95 | 3.90 | 5.25 | 8.75 |
| Size | 4x3 | 5 | 5x4 | 6 | 6x4 | 6x5 |
| Dimensions A | 9 $\frac{1}{2}$ | 12 $\frac{1}{4}$ | 11 $\frac{3}{8}$ | 14 $\frac{1}{4}$ | 12 $\frac{3}{8}$ | 13 $\frac{3}{8}$ |
| “ B | 4 $\frac{5}{16}$ | 6 $\frac{1}{8}$ | 5 $\frac{5}{16}$ | 7 $\frac{1}{8}$ | 5 $\frac{7}{16}$ | 6 $\frac{1}{4}$ |
| Price, Black | 5.50 | 7.50 | 8.25 | 13.50 | 15.00 | 15.00 |
| “ Galvanized | 9.65 | 13.15 | 14.50 | 23.50 | 26.25 | 26.25 |

CLOSET ELBOWS

| | | |
|--------------------------|------------------|------------------|
| Size | 4 | 4x5 |
| Dimensions A | 3 $\frac{3}{16}$ | 4 $\frac{7}{16}$ |
| “ B | 4 $\frac{5}{8}$ | 3 $\frac{3}{16}$ |
| Diameter of Flange | 7 | 7 |
| Price, Black | 4.25 | 4.25 |
| “ Galvanized | 7.40 | 7.40 |

The inlets of three-way and closet elbows are tapped, pitched $\frac{1}{4}$ inch to the foot.

The inlets on reducing fittings are always the smallest openings.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

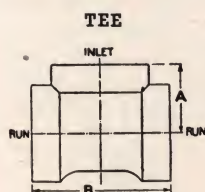
BASIN CROSS

Fig. H-1064

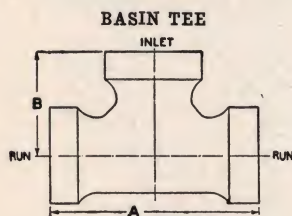


Fig. H-1065

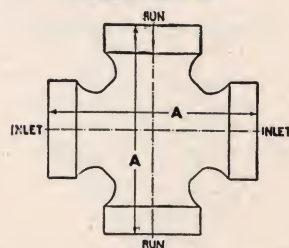


Fig. H-1066

TEES

| | | | | | | | | | | |
|--------------------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|
| Size | inches | 1½ | 2 | 2x1¼ | 2x1½ | 2½ | 2½x2 | 3 | 3x1½ | 3x2 |
| Dimensions A | inches | 2⅜ | 2⅝ | .... | 2¼ | 2⅝ | .... | 3⅜ | .... | 3 |
| " B | " | 4⅝ | 4⅝ | .... | 4⅝ | 5⅝ | .... | 6⅝ | .... | 5½ |
| Price, Black | each | .55 | .80 | .90 | .90 | 1.50 | 1.65 | 2.00 | 2.20 | 2.20 |
| " Galvanized | " | 1.00 | 1.40 | 1.60 | 1.60 | 2.50 | 2.75 | 3.50 | 3.85 | 3.85 |
| Size | inches | 4 | 4x2 | 4x3 | 5 | 5x2 | 5x3 | 5x4 | 6 | 7 |
| Dimensions A | inches | 4 | 3⅞ | 3¾ | 4⅝ | 4⅝ | 4⅝ | .... | 5⅝ | 5⅝ |
| " B | " | 8 | 6 | 7 | 9¼ | 6 | 6⅞ | .... | 10⅝ | 11⅝ |
| Price, Black | each | 3.25 | 3.60 | 3.60 | 6.00 | 6.60 | 6.60 | 6.60 | 8.75 | 16.00 |
| " Galvanized | " | 5.70 | 6.30 | 6.30 | 10.50 | 11.55 | 11.55 | 11.55 | 15.25 | 28.00 |
| Size | inches | 8 | 10 | 12 | 12x8 | 12x10 | 14x8 | 14x10 | 14x12 | .... |
| Dimensions A | inches | 6½ | 7¾ | 9 | .... | .... | .... | .... | .... | .... |
| " B | " | 13 | 15½ | 18 | .... | .... | .... | .... | .... | .... |
| Price, Black | each | 21.00 | 43.00 | 60.00 | 65.00 | 65.00 | 85.00 | 85.00 | 85.00 | .... |
| " Galvanized | " | 37.00 | 75.00 | 100.00 | 110.00 | 110.00 | 145.00 | 145.00 | 145.00 | .... |

BASIN TEES

| | | | | | | | | |
|--------------------|--------|------|------|-------|------|------|------|------|
| Size | inches | 1¼ | 1½ | 1½x1¼ | 2 | 2x1¼ | 2x1½ | 2½ |
| Dimensions A | inches | .... | 5⅝ | 5⅝ | 7 | 6¼ | 6½ | 8½ |
| " B ..... | " | .... | 2⅞ | 2⅞ | 3½ | 3⅞ | 3¼ | 4¼ |
| Price, Black | each | .... | .60 | .70 | .77 | 1.10 | 1.20 | 1.75 |
| " Galvanized | " | 1.00 | 1.22 | 1.35 | 1.95 | 2.10 | 2.10 | 3.00 |

BASIN CROSSES

| | | | | |
|--------------------|--------|------|------|------|
| Size | inches | 1½ | 2 | 2x1½ |
| Dimensions A | inches | 5⅝ | 7 | 6½ |
| Price, Black | each | 1.50 | 1.75 | 1.95 |
| " Galvanized | " | 2.50 | 3.10 | 3.40 |

Inlets of tees and basin tees and crosses are tapped, pitched ¼ inch to the foot.
Inlets on reducing fittings are always the smallest opening.

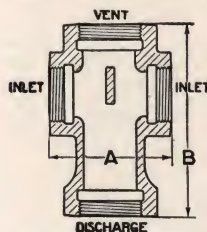


Fig. H-1067

PARTITION CROSSES

| | | |
|--------------------|--------|-------|
| Size | inches | 1¼x1½ |
| Dimensions A | inches | 3½ |
| " B | " | 5½ |
| Price, Black | each | 1.25 |
| " Galvanized | " | 2.20 |

Partition crosses are made to supply a demand in certain localities, but may not be passed by inspectors everywhere.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

**DOUBLE 90° "Y" BRANCH
TEE PATTERN**

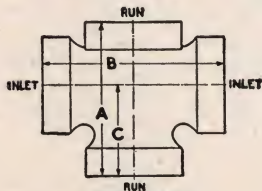


Fig. H-1068

DOUBLE 45° "Y" BRANCH

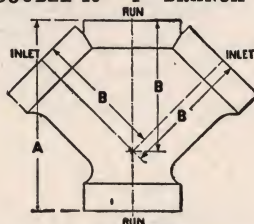


Fig. H-1069

**REDUCING
DOUBLE 45° "Y" BRANCH**

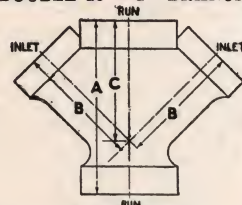


Fig. H-1070

DOUBLE 90° "Y" BRANCHES, TEE PATTERN

| Size.....inches | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| Dimensions A....inches | 3¼ | 3¾ | 4¼ | 5¾ | 6¾ | 7¼ | 8¾ | 10½ | 11½ | 13½ | 15½ | 20 |
| " B....." | 3¾ | 4½ | 5 | 6½ | 7¾ | 8½ | 10¾ | 12¼ | 14¼ | 16¼ | 18 | 22¾ |
| " C....." | 1½ | 2¼ | 2½ | 3¼ | 3¾ | 4¼ | 5¾ | 6½ | 7½ | 8½ | 9 | 11¾ |
| Price, Black.....each | .60 | .70 | .85 | 1.30 | 2.85 | 3.40 | 5.25 | 9.50 | 14.00 | 25.00 | 36.00 | 60.00 |
| " Galvanized...." | 1.05 | 1.22 | 1.50 | 2.30 | 5.00 | 5.95 | 9.20 | 16.50 | 24.50 | 42.50 | 62.00 | 102.00 |

REDUCING DOUBLE 90° "Y" BRANCHES, TEE PATTERN

| Size.....inches | 1½x1 | 1½x1¼ | 2x1¼ | 2x1½ | 2½x1½ | 2½x2 | 3x1½ |
|-------------------------|------|-------|-------|-------|-------|-------|-------|
| Dimensions A.....inches | .... | 3¾ | .... | 4½ | .... | 5½ | 5½ |
| " B....." | .... | 5 | .... | 5¾ | .... | 6¾ | 6¾ |
| " C....." | .... | 2¾ | .... | 2¾ | .... | 3¼ | 2½ |
| Price, Black.....each | .77 | .95 | 1.50 | 1.50 | 3.15 | 3.15 | 3.75 |
| " Galvanized....." | 1.35 | 1.65 | 2.60 | 2.60 | 5.50 | 5.50 | 6.55 |
| Size.....inches | 3x2 | 4x2 | 5x4 | 6x2 | 6x4 | 6x5 | 8x6 |
| Dimensions A.....inches | 5¼ | 5¾ | 9½ | 6¼ | 9¼ | 10¾ | 15½ |
| " B....." | 7¼ | 8½ | 11¾ | 10¼ | 12¾ | 13¼ | 17 |
| " C....." | 3¾ | 3¾ | 5¾ | 3¾ | 5¾ | 6¼ | 10 |
| Price, Black.....each | 3.75 | 5.75 | 10.50 | 15.50 | 15.50 | 15.50 | 40.00 |
| " Galvanized....." | 6.55 | 10.00 | 18.50 | 27.00 | 27.00 | 27.00 | 68.00 |

The inlets of double 90° "Y" branches are tapped, pitched ¼ inch to the foot.

DOUBLE 45° "Y" BRANCHES

| Size.....inches | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|-------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| Dimensions A.....inches | 5 | 5½ | 6¾ | 7¾ | 9 | 10¾ | 12½ | 14¾ | 16½ | 18½ | 20 |
| " B....." | 3¼ | 3¾ | 4½ | 5¾ | 6¾ | 7¾ | 9¾ | 10¾ | 12¼ | 13¾ | 16½ |
| Price, Black.....each | .90 | 1.00 | 1.45 | 3.25 | 4.00 | 5.75 | 10.75 | 16.00 | 28.50 | 38.00 | 78.00 |
| " Galvanized....." | 1.60 | 1.75 | 2.55 | 5.70 | 7.00 | 10.00 | 18.80 | 28.00 | 50.00 | 66.50 | 137.00 |

REDUCING DOUBLE 45° "Y" BRANCHES

| Size.....inches | 1½x1¼ | 2x1½ | 2½x1¼ | 2½x1½ | 3x1½ | 3x2 | 4x2 | 4x3 | 5x2 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dimensions A.....inches | .... | 5¾ | .... | 6¾ | 6¾ | 7¾ | 7¾ | 9¼ | 8¼ |
| " B....." | .... | 4½ | .... | 4¾ | 5½ | 5¾ | 6¾ | 7¾ | 7¾ |
| " C....." | .... | 4½ | .... | 4¾ | 4¾ | 5¾ | 6 | 6¾ | 6¾ |
| Price, Black.....each | 1.10 | 1.60 | 3.60 | 3.60 | 4.40 | 4.40 | 6.35 | 6.35 | 11.75 |
| " Galvanized...." | 1.90 | 2.80 | 6.30 | 6.30 | 7.70 | 7.70 | 11.00 | 11.00 | 20.50 |
| Size.....inches | 5x3 | 5x4 | 6x2 | 6x3 | 6x4 | 7x6 | 8x4 | 8x6 | .... |
| Dimensions A.....inches | 9½ | 11¾ | 8¾ | .... | 11¾ | .... | 11¾ | 14½ | .... |
| " B....." | 7¾ | 8½ | 8½ | .... | 9¾ | .... | 11 | 12¾ | .... |
| " C....." | 7¾ | 8½ | 7¾ | .... | 9½ | .... | 10¾ | 11¾ | .... |
| Price, Black.....each | 11.75 | 11.75 | 17.50 | 17.50 | 17.50 | 31.50 | 42.00 | 42.00 | .... |
| " Galvanized...." | 20.50 | 20.50 | 30.50 | 30.50 | 30.50 | 54.00 | 72.00 | 72.00 | .... |

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe
REDUCING 90° "Y" BRANCH
TEE PATTERN

90° "Y" BRANCH
TEE PATTERN

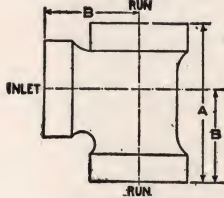


Fig. H-1071

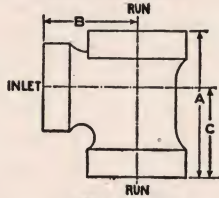


Fig. H-1072

60° "Y" BRANCH

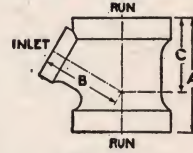


Fig. H-1073

90° "Y" BRANCHES, TEE PATTERN

| | | | | | | | | | | | | |
|---------------------|-----|-----|------|------|------|------|------|-------|-------|-------|-------|-------|
| Size.....inches | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| Dimens. A...inches | 3¼ | 3¾ | 4¼ | 5⅞ | 6⅝ | 7¼ | 8¾ | 10⅝ | 11⅝ | 13⅝ | 15¼ | 20 |
| " B... " | 1⅝ | 2¼ | 2½ | 3⅞ | 3⅞ | 4¼ | 5⅞ | 6⅝ | 7⅞ | 8⅞ | 9 | 11⅝ |
| Price, Black...each | .40 | .45 | .57 | .85 | 1.80 | 2.20 | 3.50 | 6.50 | 9.50 | 17.50 | 23.00 | 47.00 |
| " Galv.. " | .70 | .80 | 1.00 | 1.50 | 3.15 | 3.85 | 6.15 | 11.35 | 16.50 | 30.50 | 40.00 | 82.00 |

REDUCING 90° "Y" BRANCHES, TEE PATTERN

| | | | | | | | | | | | |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 1¼x1 | 1½x1 | 1½x1¼ | 2x1¼ | 2x1½ | 2½x1¼ | 2½x1½ | 2½x2 | 3x1¼ | 3x1½ | 3x2 |
| Dimensions A...inches | .... | .... | 3⅞ | .... | 4⅝ | .... | 4⅞ | 5½ | .... | 5⅞ | 5¼ |
| " B.. " | .... | .... | 2½ | .... | 2⅝ | .... | 3⅞ | 3⅞ | .... | 3⅞ | 3⅝ |
| " C.. " | .... | .... | 2⅞ | .... | 2⅞ | .... | 2⅞ | 3¼ | .... | 2⅞ | 3⅞ |
| Price, Black.....each | .50 | .63 | .63 | .95 | .95 | 2.00 | 2.00 | 2.00 | 2.40 | 2.40 | 2.40 |
| " Galvanized " | .90 | 1.10 | 1.10 | 1.65 | 1.65 | 3.50 | 3.50 | 3.50 | 4.20 | 4.20 | 4.20 |
| Size.....inches | 4x1¼ | 4x1½ | 4x2 | 4x2½ | 4x3 | 3x4 | 5x1½ | 5x2 | 5x2½ | 5x3 | 5x4 |
| Dimensions A...inches | .... | 5¼ | 5⅞ | 6⅞ | 7⅞ | 8⅝ | 5⅞ | 6⅞ | .... | 7¾ | 9⅞ |
| " B.. " | .... | 3⅞ | 4⅞ | 4⅞ | 4¾ | 5⅞ | 4⅞ | 4⅞ | .... | 5¼ | 5⅞ |
| " C.. " | .... | 3 | 3⅞ | 3⅞ | 4⅞ | 5⅞ | 3⅞ | 3⅞ | .... | 4½ | 5⅞ |
| Price, Black.....each | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | 7.15 | 7.15 | 7.15 | 7.15 | 7.15 |
| " Galvanized " | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 |
| Size.....inches | 6x1½ | 6x2 | 6x3 | 6x4 | 6x5 | 8x2 | 8x3 | 8x4 | 8x5 | 8x6 | .... |
| Dimensions A...inches | .... | 6¼ | 7⅞ | 9¼ | 10⅞ | .... | 11⅞ | 11⅞ | .... | 15¼ | .... |
| " B.. " | .... | 5⅞ | 5¾ | 6⅞ | 6⅞ | .... | 7¼ | 7⅞ | .... | 8½ | .... |
| " C.. " | .... | 3⅞ | 4⅞ | 5⅞ | 6¼ | .... | 7⅞ | 7½ | .... | 10 | .... |
| Price, Black.....each | 10.50 | 10.50 | 10.50 | 10.50 | 10.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.00 | .... |
| " Galvanized " | 18.50 | 18.50 | 18.50 | 18.50 | 18.50 | 44.50 | 44.50 | 44.50 | 44.50 | 44.50 | .... |

The inlet of 90° "Y" branches is tapped, pitched ¼ inch to the foot.

60° "Y" BRANCHES

| | | | | | | | | | |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 1½x1½ | 2x2 | 2x1½ | 3x2 | 4x4 | 4x2 | 4x3 | 5x5 | 5x2 |
| Dimensions A...inches | 4⅞ | 5½ | 4⅞ | 6⅞ | 9⅞ | 6⅞ | .... | 11⅞ | .... |
| " B.. " | 2⅞ | 3¼ | 3¼ | 4⅞ | 5¾ | 4⅞ | .... | 6¾ | .... |
| " C.. " | 2⅞ | 3¼ | 2⅞ | 3⅞ | 5¾ | 4⅞ | .... | 6¾ | .... |
| Price, Black.....each | .65 | .95 | 1.05 | 2.90 | 3.85 | 4.25 | 4.25 | 7.10 | 7.80 |
| " Galvanized..... " | 1.15 | 1.65 | 1.85 | 5.10 | 6.75 | 7.40 | 7.40 | 12.50 | 13.65 |
| Size.....inches | 5x3 | 5x4 | 6x6 | 6x2 | 6x4 | 6x5 | 8x4 | 8x6 | .... |
| Dimensions A...inches | 8½ | .... | 13 | .... | .... | .... | .... | .... | .... |
| " B.. " | 6 | .... | 7⅞ | .... | .... | .... | .... | .... | .... |
| " C.. " | 5⅞ | .... | 7⅞ | .... | .... | .... | .... | .... | .... |
| Price, Black.....each | 7.80 | 7.80 | 10.50 | 11.50 | 11.50 | 11.50 | 27.50 | 27.50 | .... |
| " Galvanized..... " | 13.65 | 13.65 | 18.50 | 20.00 | 20.00 | 20.00 | 48.00 | 48.00 | .... |

Reducing sizes not listed take same list as reducing sizes having the same run.
Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

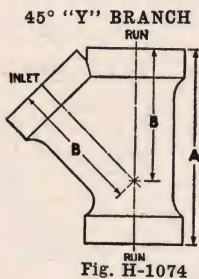


Fig. H-1074

REDUCING 45° "Y" BRANCH

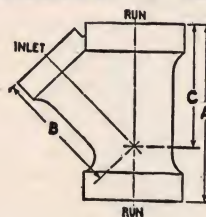


Fig. H-1075

45° "Y" BRANCHES

| | | | | | | | | |
|--------------------|--------|-------|-------|-------|-------|-------|--------|--------|
| Size | inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 |
| Dimensions A | inches | 5 | 5 1/2 | 6 7/8 | 7 7/8 | 9 | 10 7/8 | 12 5/8 |
| " B | " | 3 1/4 | 3 5/8 | 4 5/8 | 5 3/8 | 6 3/8 | 7 1/8 | 8 3/8 |
| Price, Black | each | .52 | .65 | .95 | 2.10 | 2.65 | 3.85 | 7.10 |
| " Galvanized | " | .90 | 1.15 | 1.65 | 3.70 | 4.65 | 6.75 | 12.50 |

| | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|------|
| Size | inches | 6 | 7 | 8 | 10 | 12 | 14 | .... |
| Dimensions A | inches | 14 3/4 | 16 1/4 | 18 3/8 | 20 | 24 1/4 | 28 | .... |
| " B | " | 10 3/4 | 12 1/4 | 13 5/8 | 16 1/8 | 19 5/8 | 21 1/2 | .... |
| Price, Black | each | 10.50 | 19.00 | 25.00 | 52.00 | 75.00 | 95.00 | .... |
| " Galvanized | " | 18.50 | 33.25 | 44.00 | 91.00 | 130.00 | 165.00 | .... |

REDUCING 45° "Y" BRANCHES

| | | | | | | | | | | | |
|--------------------|--------|---------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|-------|-----------|
| Size | inches | 1 1/2 x 1 1/4 | 2 x 1 1/4 | 2 x 1 1/2 | 2 1/2 x 1 1/4 | 2 1/2 x 1 1/2 | 2 1/2 x 2 | 3 x 1 1/4 | 3 x 1 1/2 | 3 x 2 | 3 x 2 1/2 |
| Dimens. A | inches | .... | .... | 5 7/8 | .... | 6 7/8 | 7 1/8 | .... | 6 5/8 | 7 3/8 | 8 |
| " B ..... | " | .... | .... | 4 1/8 | .... | 4 5/8 | 5 1/8 | .... | 5 1/8 | 5 3/8 | 5 5/8 |
| " C ..... | " | .... | .... | 4 1/8 | .... | 4 5/8 | 5 1/8 | .... | 4 5/8 | 5 1/8 | 5 1/8 |
| Price, Black | each | .72 | 1.05 | 1.05 | 2.30 | 2.30 | 2.30 | 2.90 | 2.90 | 2.90 | 2.90 |
| " Galv | " | 1.25 | 1.85 | 1.85 | 4.00 | 4.00 | 4.00 | 5.10 | 5.10 | 5.10 | 5.10 |

| | | | | | | | | | | | |
|--------------------|--------|-----------|-----------|-------|-----------|-------|-------|-------|--------|-------|-----------|
| Size | inches | 4 x 1 1/4 | 4 x 1 1/2 | 4 x 2 | 4 x 2 1/2 | 4 x 3 | 5 x 2 | 5 x 3 | 5 x 4 | 6 x 2 | 6 x 2 1/2 |
| Dimens. A | inches | .... | 7 3/8 | 7 1/8 | .... | 9 1/4 | 8 1/4 | 9 3/8 | 11 3/8 | 8 7/8 | .... |
| " B ..... | " | .... | 6 1/8 | 6 5/8 | .... | 7 3/8 | 7 3/8 | 7 7/8 | 8 1/2 | 8 1/8 | .... |
| " C ..... | " | .... | 5 3/4 | 6 | .... | 6 7/8 | 6 7/8 | 7 5/8 | 8 7/8 | 7 9/8 | .... |
| Price, Black | each | 4.25 | 4.25 | 4.25 | 4.25 | 4.25 | 7.80 | 7.80 | 7.80 | 11.50 | 11.50 |
| " Galv | " | 7.40 | 7.40 | 7.40 | 7.40 | 7.40 | 13.65 | 13.65 | 13.65 | 20.00 | 20.00 |

| | | | | | | | | | | | |
|--------------------|--------|-------|--------|-------|-------|--------|--------|--------|-------|--------|-------|
| Size | inches | 6 x 3 | 6 x 4 | 6 x 5 | 7 x 3 | 7 x 4 | 7 x 5 | 7 x 6 | 8 x 3 | 8 x 4 | 8 x 5 |
| Dimens. A | inches | 10 | 11 7/8 | 13 | 10 | 11 7/8 | 16 1/8 | 16 1/8 | .... | 11 7/8 | .... |
| " B | " | 8 3/4 | 9 3/8 | 10 | 9 5/8 | 10 1/4 | 10 5/8 | 11 1/8 | .... | 11 | .... |
| " C | " | 8 5/8 | 9 1/8 | 9 3/8 | 8 7/8 | 9 1/8 | 10 1/2 | 11 3/8 | .... | 10 7/8 | .... |
| Price, Black | each | 11.50 | 11.50 | 11.50 | 21.00 | 21.00 | 21.00 | 21.00 | 27.50 | 27.50 | 27.50 |
| " Galv | " | 20.00 | 20.00 | 20.00 | 37.00 | 37.00 | 37.00 | 37.00 | 48.00 | 48.00 | 48.00 |

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Size | inches | 8 x 6 | 10 x 4 | 10 x 5 | 10 x 6 | 12 x 6 | 14 x 3 | 14 x 4 | 14 x 5 | 14 x 6 | 14 x 12 |
| Dimens. A | inches | 14 5/8 | 14 | .... | 15 1/2 | 18 | .... | .... | .... | 19 1/2 | .... |
| " B | " | 12 3/8 | 12 7/8 | .... | 14 1/4 | 15 3/4 | .... | .... | .... | 17 3/4 | .... |
| " C | " | 11 7/8 | 11 1/2 | .... | 13 1/2 | 14 1/4 | .... | .... | .... | 16 3/8 | .... |
| Price, Black | each | 27.50 | 57.00 | 57.00 | 57.00 | 80.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 |
| " Galv | " | 48.00 | 97.00 | 97.00 | 97.00 | 140.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 |

The inlets on reducing fittings are always the smallest openings.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

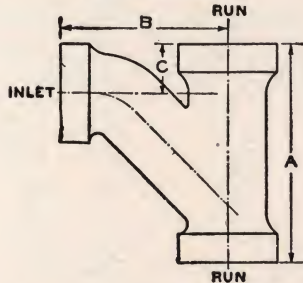
90° LONG TURN "Y" BRANCH
TEE PATTERN

Fig. H-1076

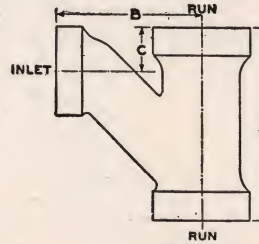
REDUCING 90°
LONG TURN "Y" BRANCH
TEE PATTERN

Fig. H-1077

90° LONG TURN "Y" BRANCHES, TEE PATTERN

| Size.....inches | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Dimensions A.....inches | 4¾ | 5⅜ | 7⅞ | 8¼ | 9⅞ | 13¾ | 15¾ | 18⅞ | 21⅝ | 24⅞ |
| " B....." | 3⅝ | 4⅞ | 5⅞ | 6¼ | 7½ | 9⅞ | 12¼ | 14⅞ | 16⅞ | 19⅞ |
| " C....." | 1⅝ | 1¼ | 1⅝ | 2 | 2⅝ | 2⅞ | 3½ | 4⅞ | 4¾ | 5¼ |
| Price, Black.....each | .57 | .70 | 1.10 | 2.40 | 3.35 | 6.00 | 9.50 | 20.00 | 30.00 | 40.00 |
| " Galvanized....." | 1.00 | 1.22 | 1.95 | 4.20 | 5.85 | 10.50 | 16.50 | 35.00 | 52.50 | 70.00 |

REDUCING 90° LONG TURN "Y" BRANCHES, TEE PATTERN

| Size.....inches | 1¼x1 | 1½x1 | 1½x1¼ | 2x1 | 2x1¼ | 2x1½ | 2½x1 | 2½x1¼ | 2½x1½ |
|-------------------------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| Dimensions A.....inches | 4¼ | 4½ | 5¼ | .... | .... | 5¾ | .... | .... | 5¾ |
| " B....." | 3½ | 3⅝ | 3⅞ | .... | .... | 4⅞ | .... | .... | 4⅞ |
| " C....." | 1 | 1 | 1⅞ | .... | .... | 1⅞ | .... | .... | 1⅞ |
| Price, Black.....each | .63 | .80 | .80 | 1.20 | 1.20 | 1.20 | 2.65 | 2.65 | 2.65 |
| " Galvanized... " | 1.10 | 1.40 | 1.40 | 2.10 | 2.10 | 2.10 | 4.65 | 4.65 | 4.65 |
| Size.....inches | 2½x2 | 3x1½ | 3x2 | 3x2½ | 4x1½ | 4x2 | 4x2½ | 4x3 | 5x1½ |
| Dimensions A.....inches | 7⅞ | 5⅞ | 7⅞ | .... | 6¼ | 7¼ | 8⅞ | 10 | 6⅞ |
| " B....." | 5¾ | 5 | 6⅞ | .... | 5⅞ | 6⅞ | 7¼ | 8¼ | 6 |
| " C....." | 1⅞ | 1⅞ | 1⅞ | .... | 1⅞ | 1⅞ | 2 | 2⅞ | 1⅞ |
| Price, Black.....each | 2.65 | 3.75 | 3.75 | 3.75 | 6.60 | 6.60 | 6.60 | 6.60 | 10.50 |
| " Galvanized... " | 4.65 | 6.55 | 6.55 | 6.55 | 11.55 | 11.55 | 11.55 | 11.55 | 18.50 |
| Size.....inches | 5x2 | 5x2½ | 5x3 | 5x4 | 6x2 | 6x3 | 6x4 | 6x5 | 7x3 |
| Dimensions A.....inches | 7¾ | .... | 10¼ | 13 | 7⅞ | 10¾ | 13¼ | 16¼ | 10⅞ |
| " B....." | 7⅞ | .... | 8⅞ | 10⅞ | 7¾ | 9⅞ | 11 | 12¾ | 9⅞ |
| " C....." | 1⅞ | .... | 2⅞ | 2⅞ | 1⅞ | 2⅞ | 2⅞ | 3½ | 2⅞ |
| Price, Black.....each | 10.50 | 10.50 | 10.50 | 10.50 | 22.00 | 22.00 | 22.00 | 22.00 | 33.00 |
| " Galvanized... " | 18.50 | 18.50 | 18.50 | 18.50 | 38.50 | 38.50 | 38.50 | 38.50 | 58.00 |
| Size.....inches | 7x4 | 7x5 | 7x6 | 8x3 | 8x4 | 10x4 | 12x5 | ..... | ..... |
| Dimensions A.....inches | 13⅞ | .... | .... | 10⅞ | 13⅞ | 14 | 17 | ..... | ..... |
| " B....." | 11⅞ | .... | .... | 10¼ | 12 | 13 | 15½ | ..... | ..... |
| " C....." | 2⅞ | .... | .... | 2⅞ | 2⅞ | 3 | 4 | ..... | ..... |
| Price, Black.....each | 33.00 | 33.00 | 33.00 | 44.00 | 44.00 | 60.00 | 85.00 | ..... | ..... |
| " Galvanized... " | 58.00 | 58.00 | 58.00 | 77.00 | 77.00 | 102.00 | 150.00 | ..... | ..... |

The inlet of 90° long turn "Y" branches is tapped, pitched ¼ inch to the foot.

The inlets on reducing fittings are always the smallest openings.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

DOUBLE 90° LONG TURN
"Y" BRANCH, TEE PATTERN

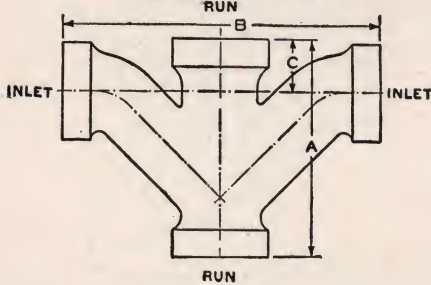


Fig. H-1078

LONG TURN 90° "Y" BRANCHES, WITH
AUXILIARY INLETS

WITH SIDE INLETS



Fig. H-1079

WITH SIDE AND
TOP INLETS

Fig. H-1080

DOUBLE 90° LONG TURN "Y" BRANCHES, TEE PATTERN

| Size .....inches | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------------|------|------|------|------|------|-------|-------|-------|-------|--------|
| Dimensions A. in. | 4¾ | 5⅝ | 7⅞ | 8¼ | 9⅞ | 13¾ | 15¾ | 18⅞ | 21⅝ | 24⅞ |
| “ B. “ | 7¼ | 8¼ | 10⅞ | 12½ | 15 | 19¾ | 24½ | 29⅞ | 33¾ | 38⅝ |
| “ C. “ | 1⅞ | 1¼ | 1⅝ | 2 | 2⅝ | 2⅞ | 3½ | 4⅞ | 4¾ | 5¼ |
| Price, Black..each | 1.00 | 1.10 | 1.75 | 3.60 | 5.00 | 9.00 | 14.00 | 30.00 | 45.00 | 60.00 |
| “ Galv... “ | 1.75 | 1.95 | 3.10 | 6.30 | 8.75 | 15.75 | 24.50 | 52.50 | 79.00 | 105.00 |

REDUCING DOUBLE 90° LONG TURN "Y" BRANCHES, TEE PATTERN

| Size .....inches | 1¼x1 | 1½x1 | 1½x1¼ | 2x1¼ | 2x1½ | 2½x1¼ | 2½x1½ | 3x1½ |
|--------------------------|------|-------|-------|-------|-------|-------|-------|------|
| Dimensions A. ....inches | 4¼ | 4½ | 5⅞ | .... | 5¾ | .... | 5¾ | 5⅝ |
| “ B. “ | 7 | 7¼ | 7¾ | .... | 8¾ | .... | 9⅞ | 10 |
| “ C. “ | 1 | 1 | 1⅞ | .... | 1⅞ | .... | 1⅞ | 1⅞ |
| Price, Black .....each | 1.10 | 1.25 | 1.25 | 1.90 | 1.90 | 4.00 | 4.00 | 5.50 |
| “ Galvanized “ | 1.90 | 2.25 | 2.25 | 3.35 | 3.35 | 7.00 | 7.00 | 9.65 |
| Size .....inches | 3x2 | 4x2 | 4x3 | 5x4 | 6x2 | 6x4 | 6x5 | .... |
| Dimensions A. ....inches | 7⅞ | 7⅞ | 10 | 13 | 7⅞ | 13⅞ | 16⅞ | .... |
| “ B. “ | 12⅞ | 13¼ | 16⅞ | 20⅞ | 15½ | 22 | 25⅞ | .... |
| “ C. “ | 1⅞ | 1⅞ | 2⅞ | 2⅞ | 1⅞ | 2⅞ | 3½ | .... |
| Price, Black .....each | 5.50 | 10.00 | 10.00 | 15.50 | 33.00 | 33.00 | 33.00 | .... |
| “ Galvanized “ | 9.65 | 17.50 | 17.50 | 27.00 | 58.00 | 58.00 | 58.00 | .... |

The inlets of double 90° long turn "Y" branches are tapped, pitched ¼ inch to the foot.

The inlets on reducing fittings are always the smallest openings.

LONG TURN 90° "Y" BRANCHES, WITH AUXILIARY INLETS

| Size .....inches | 3 | 4 | 5x4 | 6x4 |
|--|-------|-------|-------|-------|
| Price, with 2-in. Inlet, Right or Left Side, Black.....each | 5.25 | 9.00 | 12.00 | 23.00 |
| “ “ “ “ “ Galvanized, “ | 9.20 | 15.75 | 21.00 | 40.00 |
| “ “ “ “ “ Both Sides, Black “ | 5.75 | 10.00 | 13.00 | 25.00 |
| “ “ “ “ “ Galvanized “ | 10.00 | 17.50 | 22.75 | 44.00 |
| “ “ “ “ “ Right or Left Side and 2-in. Top Inlet, Black .. “ | ..... | 10.00 | 13.00 | 25.00 |
| “ “ “ “ “ “ “ “ “ “ “ Galv. .. “ | ..... | 17.50 | 22.75 | 44.00 |
| “ “ “ “ “ Both Sides and 2-in. Top Inlet, Blk ..... “ | ..... | 11.00 | 14.50 | 28.00 |
| “ “ “ “ “ “ “ “ “ “ “ Galv. .... “ | ..... | 19.25 | 25.50 | 49.00 |

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

SPECIAL UPRIGHT "Y" BRANCH

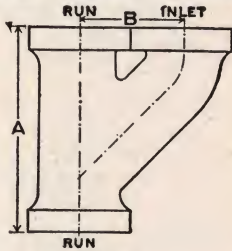


Fig. H-1081

OFFSET

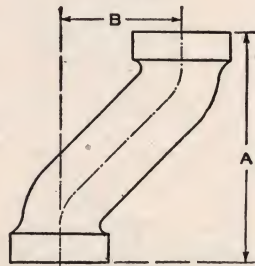


Fig. H-1082

INCREASER



Fig. H-1083

SPECIAL UPRIGHT "Y" BRANCHES

| | | | | | | | | |
|-----------------------|--------|------|-------|------|-------|------|-------|-------|
| Size | inches | 2x1½ | 2½x1½ | 2½x2 | 3x2 | 3x3 | 4x2 | 4x4 |
| Dimensions A | inches | 5⅞ | 5⅝ | 7⅞ | 9⅞ | 9⅞ | 7⅞ | 11¾ |
| " B | " | 2⅝ | 3⅝ | 3⅝ | 4⅝ | 4⅝ | 4⅝ | 5⅝ |
| Price, Black | each | 2.90 | 4.50 | 4.50 | 6.00 | 5.50 | 8.75 | 8.00 |
| " Galvanized | " | 5.10 | 7.75 | 7.75 | 10.50 | 9.75 | 15.25 | 14.00 |

OFFSETS

| | | | | | | | | |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Size | inches | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| Offset B | inches | 4 | 6 | 8 | 10 | 4 | 6 | 8 |
| Length A | " | 7½ | 9½ | 11½ | 13½ | 8¾ | 10¾ | 12¾ |
| Price, Black | each | 2.15 | 2.40 | 2.60 | 2.85 | 3.35 | 4.00 | 4.75 |
| " Galvanized | " | 3.75 | 4.20 | 4.55 | 5.00 | 5.85 | 7.00 | 8.30 |
| Size | inches | 3 | 4 | 4 | 4 | 4 | 4 | 5 |
| Offset B | inches | 10 | 4 | 6 | 8 | 10 | 12 | 6 |
| Length A | " | 14¾ | 9¾ | 11¾ | 13¾ | 15¾ | 17¾ | 12½ |
| Price, Black | each | 5.50 | 5.00 | 5.75 | 6.50 | 7.50 | 8.50 | 9.00 |
| " Galvanized | " | 9.65 | 8.75 | 10.00 | 11.35 | 13.15 | 15.00 | 15.75 |
| Size | inches | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Offset B | inches | 8 | 10 | 12 | 6 | 8 | 10 | 12 |
| Length A | " | 14⅝ | 16⅝ | 18⅝ | 13⅝ | 15⅝ | 17⅝ | 19⅝ |
| Price, Black | each | 10.00 | 11.00 | 12.00 | 12.50 | 13.50 | 14.50 | 15.50 |
| " Galvanized | " | 17.50 | 19.25 | 21.00 | 22.00 | 23.50 | 25.50 | 27.00 |

INCREASERS

| | | | | | | | | | |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size | inches | 3x2 | 4x2 | 4x3 | 5x2 | 5x3 | 5x4 | 6x4 | 6x5 |
| Dimensions A | inches | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Price, Black | each | 2.50 | 3.75 | 3.75 | 5.50 | 5.50 | 5.50 | 6.50 | 6.50 |
| " Galvanized | " | 4.40 | 6.55 | 6.55 | 9.65 | 9.65 | 9.65 | 11.35 | 11.35 |
| Size | inches | 7x4 | 7x6 | 8x4 | 8x6 | 10x8 | 12x10 | 14x6 | 14x8 |
| Dimensions A | inches | ..... | ..... | 9 | 9 | ..... | ..... | ..... | ..... |
| Price, Black | each | 12.00 | 12.00 | 15.00 | 15.00 | 20.00 | 40.00 | 55.00 | 55.00 |
| " Galvanized | " | 20.00 | 20.00 | 26.25 | 26.25 | 35.00 | 70.00 | 95.00 | 95.00 |

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

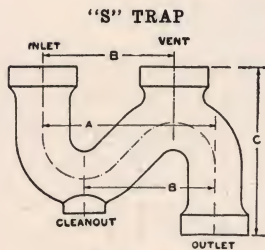


Fig. H-1084

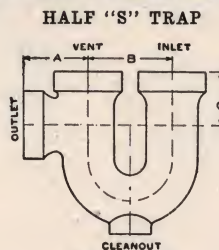


Fig. H-1085

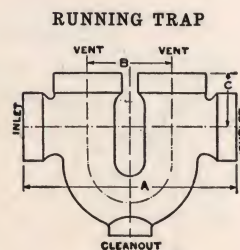


Fig. H-1086

"S" TRAPS

| | | | | | | |
|------------------------|--------|-------|--------|--------|---------|--------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Dimensions A | inches | 8 1/4 | 10 3/4 | 14 1/8 | 16 3/4 | 20 1/4 |
| " B | " | 6 1/4 | 8 1/8 | 10 5/8 | 12 9/16 | 15 3/8 |
| " C | " | 8 | 11 1/4 | 13 3/4 | 16 7/8 | 19 3/4 |
| Size of Cleanout | " | 1 | 1 1/4 | 2 | 2 | 2 |
| " Vents | " | 2 | 3 | 4 | 4 | 4 |
| Price, Black | each | 4.00 | 9.25 | 14.00 | 21.00 | 36.00 |
| " Galvanized | " | 7.00 | 16.00 | 24.00 | 37.00 | 63.00 |

HALF "S" TRAPS

| | | | | | | | | | | |
|--------------------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| Size | inches | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Dimensions A | inches | 2 5/16 | 2 1/2 | 3 1/16 | 4 3/16 | 5 1/8 | 6 1/16 | 6 9/16 | 7 3/4 | 8 5/16 |
| " B | " | 3 1/8 | 3 3/8 | 4 | 5 3/8 | 7 | 8 3/8 | 10 1/8 | 11 1/4 | 12 3/8 |
| " C | " | 2 | 2 1/4 | 2 9/16 | 3 1/2 | 4 3/16 | 5 7/16 | 6 1/8 | 6 3/4 | 7 3/4 |
| Size of Vent | " | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 4 | 4 | 5 | 6 |
| " Cleanout | " | 1 | 1 | 1 | 1 1/4 | 2 | 2 | 2 | 2 | 3 |
| Price, Black | each | 1.55 | 1.70 | 2.20 | 5.00 | 10.00 | 21.50 | 32.50 | 40.00 | 55.00 |
| " Galvanized | " | 2.70 | 3.00 | 3.85 | 8.75 | 17.50 | 37.50 | 57.00 | 70.00 | 95.00 |

RUNNING TRAPS

| | | | | | | | |
|---------------------|--------|-------|-------|--------|--------|--------|--------|
| Size | inches | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 5 |
| Dimensions A | inches | 7 3/4 | 8 3/8 | 10 1/8 | 13 3/4 | 17 1/4 | 20 1/2 |
| " B | " | 3 7/8 | 3 3/8 | 4 | 5 3/8 | 7 | 8 3/8 |
| " C | " | 2 | 2 1/4 | 2 9/16 | 3 1/2 | 4 3/16 | 4 3/4 |
| Size of Vents | " | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 4 |
| " Cleanout | " | 1 | 1 | 1 | 1 1/4 | 2 | 2 |
| Price, Black | each | 2.40 | 2.70 | 3.30 | 5.50 | 9.75 | 24.50 |
| " Galvanized | " | 4.20 | 4.70 | 5.75 | 9.50 | 17.00 | 43.00 |

| | | | | | | | |
|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Size | inches | 6 | 7 | 8 | 10 | 12 | 14 |
| Dimensions A | inches | 23 1/4 | 26 3/4 | 30 1/4 | 36 1/4 | 41 7/8 | 45 |
| " B | " | 10 1/8 | 11 1/4 | 12 3/8 | 14 3/4 | 17 | 18 1/2 |
| " C | " | 5 7/16 | 6 1/8 | 6 3/4 | 8 1/4 | 9 1/2 | 10 1/2 |
| Size of Vents | " | 4 | 5 | 6 | 6 | 6 | 8 |
| " Cleanout | " | 2 | 2 | 3 | 3 | 3 | 4 |
| Price, Black | each | 33.50 | 50.00 | 65.00 | 115.00 | 180.00 | 300.00 |
| " Galvanized | " | 58.50 | 87.50 | 115.00 | 200.00 | 300.00 | 500.00 |

The outlet of half "S" traps and inlet and outlet of running traps, are tapped, pitched 1/4 inch to the foot.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe
RECESSED CLOSET FLANGE

CLOSET FLANGE

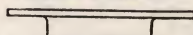


Fig. H-1087

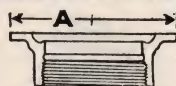


Fig. H-1088

BRASS CLOSET FLANGE

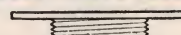


Fig. H-1089

CLOSET FLANGES

| | | |
|--------------------------|--------|------|
| Size | inches | 4 |
| Diameter of Flange | inches | 7 |
| Price, Black | each | 1.35 |
| " Galvanized | " | 2.35 |

RECESSED CLOSET FLANGES—FOR ASBESTOS RING PACKING

| | | |
|--------------------------|--------|------|
| Size | inches | 4 |
| Diameter of Flange | inches | 7 |
| Price, Black | each | 1.35 |
| " Galvanized | " | 2.35 |

BRASS CLOSET FLANGES

| | | |
|--------------------------|--------|------|
| Size | inches | 4 |
| Diameter of Flange | inches | 7 |
| Price | each | 7.00 |

TUCKER CONNECTION

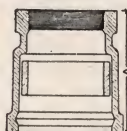


Fig. H-1090

ROOF CONNECTION

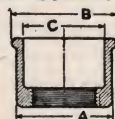


Fig. H-1091

BRASS SOLDER NIPPLE

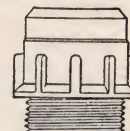


Fig. H-1092

TUCKER CONNECTIONS

| | | | | | | | |
|--------------------|--------|-------|-------|------|-------|-------|-------|
| Size | inches | 2 | 3 | 4 | 5 | 6 | 8 |
| Dimensions A | inches | 4 1/2 | 4 3/4 | 7 | 7 | 7 | 7 |
| Price, Black | each | .80 | 2.00 | 3.25 | 6.00 | 8.75 | 21.00 |
| " Galvanized | " | 1.40 | 3.50 | 5.70 | 10.50 | 15.25 | 37.00 |

The inlets on reducing fittings are always the smallest openings.

ROOF CONNECTIONS

| | | | | | | |
|--------------------|--------|--------|---------|-------|---------|--------|
| Size | inches | 2 | 3 | 4 | 5 | 6 |
| Dimensions A | inches | 3 1/2 | 4 9/16 | 5 5/8 | 6 11/16 | 7 3/4 |
| " B | " | 3 3/16 | 4 15/16 | 6 | 7 1/16 | 8 3/16 |
| " C | " | 3 | 4 7/8 | 5 1/8 | 6 | 7 7/8 |
| Price, Black | each | 1.15 | 1.20 | 1.50 | 2.00 | 4.25 |
| " Galvanized | " | 2.00 | 2.10 | 2.60 | 3.50 | 7.40 |

BRASS SOLDER NIPPLES

| | | | | | | | | |
|-------------|--------|-----|-------|-------|------|------|------|------|
| Size | inches | 1 | 1 1/4 | 1 1/2 | 2 | 3 | 4 | 5 |
| Price | each | .80 | .90 | 1.05 | 1.50 | 2.75 | 4.00 | 9.00 |

Dimensions subject to a slight variation and change without notice.

CELLAR DRAINERS AND TEST PLUGS

CLIMAX, WITHOUT
AUTOMATIC MOVEMENT



Fig. H-1093

CELLAR DRAINERS
CLIMAX, WITH
AUTOMATIC MOVEMENT



Fig. H-1094

PENBERTHY
AUTOMATIC



Fig. H-1095

CLIMAX

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---------------|----------------|----------------|----------------|----------------|-------------|
| Supply Pipe.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Discharge Pipe....." | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Capacity per Hour.....gallons } | 50 to 250 | 100 to 400 | 150 to 600 | 200 to 800 | 275 to 1000 | 350 to 1200 |
| Lift.....feet | 6 to 12 | 6 to 12 | 6 to 12 | 6 to 12 | 6 to 12 | 6 to 12 |
| Pressure.....pounds | 15 " 80 | 15 " 80 | 15 " 80 | 15 " 80 | 15 " 80 | 15 " 80 |
| Price, without Automatic Movement.....each | 15.00 | 25.00 | 35.00 | 50.00 | 70.00 | 100.00 |
| Price, with Automatic Movement....." | 25.00 | 40.00 | 55.00 | 80.00 | 110.00 | 160.00 |

PENBERTHY

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------------------------|---------------|-----------------|-----------------|-----------------|----------------|-------------|----------------|--------------|
| Supply Pipe.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Discharge Pipe....." | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
| Extreme Width....." | 9 | $10\frac{1}{2}$ | $13\frac{1}{2}$ | $17\frac{1}{2}$ | 20 | 24 | 28 | 32 |
| Capacity, per Hour....gallons } | 115 to 650 | 180 to 1050 | 310 to 1650 | 450 to 2400 | 600 to 3200 | 780 to 4200 | 1000 to 5300 | 1250 to 6500 |
| Price.....each | 25.00 | 40.00 | 55.00 | 80.00 | 110.00 | 160.00 | 225.00 | 300.00 |

CLIMAX



Fig. H-1096

SOIL PIPE TEST PLUGS

CLIMAX DOUBLE

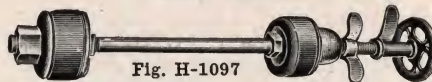


Fig. H-1097

| Size.....inches | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|---|------|------|------|------|------|------|-------|-------|
| Price, Climax.....each | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.50 | 4.50 | 8.00 |
| " Double....." | 2.50 | 3.50 | 4.50 | 6.00 | 7.50 | 9.00 | 11.00 | 14.00 |
| " Extra Rubbers for Single Plugs." | .25 | .50 | .70 | .90 | 1.20 | 2.00 | 3.25 | 5.90 |

AUTOMATIC ELECTRIC LITTLE GIANT CELLAR DRAINERS



Fig. H-1098

The Little Giant Electric Cellar Drainer or Bilge Pump is designed to automatically pump seepage water from basements lower than the sewer level. Before the manufacturers placed the pump on the market the hydraulic cellar drainer was the only means whereby basements in small buildings or boiler pits could be kept dry, but owing to the fact that this appliance was operated by the varying city water pressure it was always very unreliable. It is not an uncommon thing for the valve and nozzle of the hydraulic cellar drainer through which the city water pressure is supplied, to become partly clogged with fish, shells or other matter, and thus not supply sufficient pressure to siphon the seepage water; in this event, not only does seepage water rise in the basement, but the city water also pours out in a steady stream through the open valve and rapidly floods the basement. The Automatic Electric Little Giant Cellar Drainer does not depend in any way upon the city water pressure; electricity is its motive power. The electric current cannot vary sufficiently to throw the pump out of operation, therefore this pumping outfit is at all times reliable.

The Little Giant Electric Cellar Drainer comes to you all assembled and ready for operation, no fitting or assembling on job necessary. Just set it in basin, connect up wires and pipe and it is ready to start.

The Little Giant Cellar Draining Outfit consists of centrifugal pump, every bearing of which is grease lubricated; flexible coupling; vertical electric motor specially made for this pump and fitted with lubricated Hess-Bright Ball Bearings; automatic switch; copper ball float, and strainer for intake.

| Capacity in Gallons per Minute | Size of Discharge Inches | Horse Power of Motor | Total Head Pumped Against in Feet | Approx. Shipping Weight Pounds | PRICE, EACH | |
|---|--------------------------------|-------------------------------|---|---|--------------------------------|---|
| | | | | | 110 or 220-volt D. C. Motor | 110 or 220-volt A. C. Single-Phase 60-cycle Motor |
| 10 | 1 | $\frac{1}{6}$ | 8 | 250 | 210.00 | 215.00 |
| 25 | $1\frac{1}{4}$ | $\frac{1}{4}$ | 10 | 300 | ..... | ..... |

The above prices include pump, motor, all automatic apparatus and cast iron basin cover up to 36 inches in diameter.

The smallest diameter of basin in which the Little Giant Cellar Drainer should be installed is 30 inches, but it may be installed in a basin as small as 24 inches in diameter.

To obtain the best results the bottom of the basin should be at least 3 feet lower than the lowest inlet.

Prices on basins will be given when requested.

The standard length of these pumps is 3 and 4 feet, although we can furnish same for basin up to 6 feet in length when necessary.

For larger installations we furnish prices on application.

CESSPOOLS, ETC.

STENCH TRAP



Fig. H-1099

CESSPOOL, WITH
BELL TRAP

Fig. H-1100

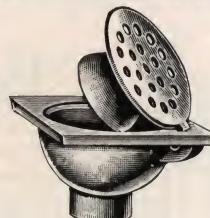
CESSPOOL, WITH BELL TRAP
AND HINGED STRAINER

Fig. H-1101

STENCH TRAPS

| | | |
|--|------|------|
| Price, 6x6 inches, 2-inch Outlet | each | 1.00 |
|--|------|------|

CESSPOOLS, WITH BELL TRAPS

| Description | STANDARD | | | EXTRA HEAVY | | |
|------------------------------|----------|------|-------|-------------|------|-------|
| | 6x6 | 9x9 | 13x13 | 6x6 | 9x9 | 13x13 |
| Size | inches | | | | | |
| Price | each | | | | | |
| " with Hinged Strainer | " | | | | | |
| | .75 | 1.00 | 2.50 | 1.25 | 1.50 | 3.75 |
| | 1.00 | 1.35 | 3.00 | 1.50 | 1.85 | 4.25 |

BRASS CESSPOOLS WITH BELL TRAPS AND HINGED STRAINERS

| | | | | |
|-----------------------|--------|------|------|-------|
| Size | inches | 6x6 | 9x9 | 13x13 |
| Price Finished | each | 4.40 | 8.25 | 15.40 |
| " Nickel Plated | " | 4.95 | 9.35 | 16.50 |

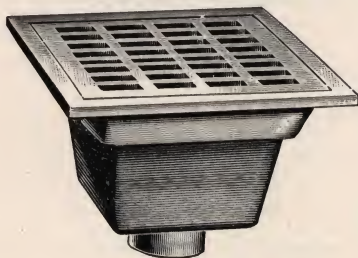
EXTRA HEAVY CESSPOOL, WITH BELL
TRAP AND GRATING

Fig. H-1102

CELLAR TRAP

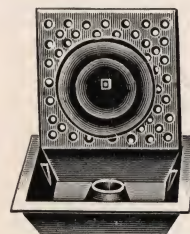


Fig. H-1103

EXTRA HEAVY CESSPOOLS

| | | | | |
|----------------------|--------|----------|----------|----------|
| Size | inches | 12x12x10 | 16x16x10 | 18x18x10 |
| Price, Painted | each | 3.75 | 4.50 | 10.00 |
| " Galvanized | " | 7.50 | 10.00 | 20.00 |

CELLAR TRAPS

| | | | |
|----------------------|--------|------|-------|
| Size | inches | 9x9 | 12x12 |
| Price, Painted | each | 1.25 | 1.60 |
| " Galvanized | " | 2.50 | 3.25 |

CESSPOOLS, ETC.

PLAIN

HYDRANT CESSPOOLS

WITH BELL TRAP

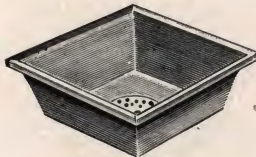


Fig. H-1104

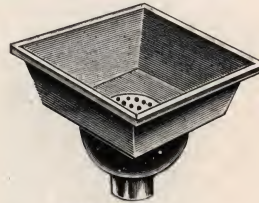


Fig. H-1105

HYDRANT CESSPOOLS—6 INCHES DEEP

| Size.....inches | 10 x 10 x 6 | 12 x 12 x 6 | 14 x 14 x 6 | 16 x 16 x 6 | 18 x 18 x 6 |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| Price, Plain..... | .90 | 1.00 | 1.15 | 1.30 | 1.60 |
| “ with Trap..... | 1.40 | 1.50 | 1.65 | 1.80 | 2.10 |

HARRIS SLOP SINK
WITH BELL TRAP

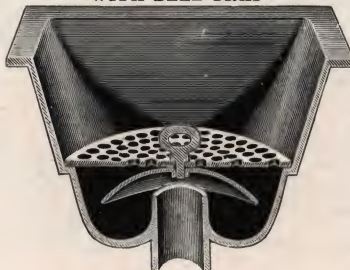


Fig. H-1106

BAYLEY SLOP HOPPER

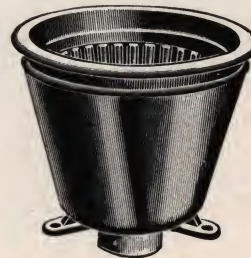


Fig. H-1107

HARRIS SLOP SINKS—2-INCH OUTLET

| Size.....inches | 12 x 12 | 14 x 14 | 16 x 16 |
|-------------------------|---------|---------|---------|
| Price, Painted.....each | 2.00 | 2.25 | 2.50 |
| “ Galvanized.....“ | 3.25 | 3.75 | 4.25 |

BAYLEY SLOP HOPPERS

| | |
|---|------|
| Price, Round or Square, size at top, 13 inches.....each | 3.50 |
|---|------|

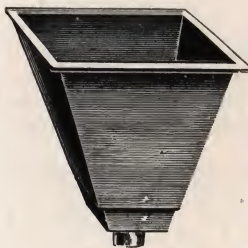


Fig. H-1108

SEWER TRAP AND SLOP SINK COMBINED

| Size.....inches | 12 x 12 x 6 | 15 x 15 x 11½ |
|-----------------|-------------|---------------|
| Price.....each | 2.25 | 3.25 |
| Size.....inches | 18x18x12 | 20 x 20 x 12 |
| Price.....each | 4.25 | 5.00 |

WADE BACK WATER GATE VALVES

No. 2 FLUSHING BACK WATER
GATE VALVE, WITH EXTENSION MANHOLE

Fig. H-1113

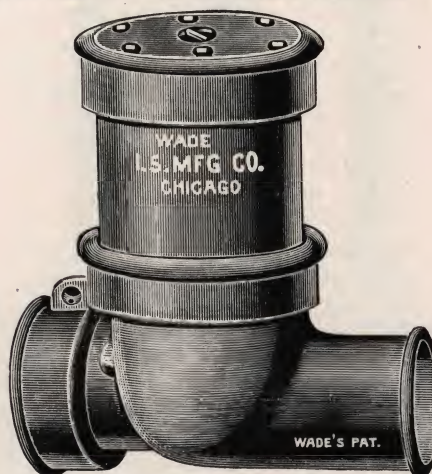


Fig. H-1114

These valves have planed faces to keep them water and gas-tight. They are tapped ready for making flushing pipe connection, and pressure water should always be connected to flush jet to clean interior of fitting and drain.

The No. 2 valve is same as No. 1, except has extension manhole which extends to cellar floor and provided with a water and gas-tight metal cover bolted down to a gasket, and can be easily removed for inspection without disturbing the floor. The pipe hubs are made for either standard or extra heavy iron pipe or vitrified clay pipe.

No. 1

| | | | | | | |
|-----------------------------|--------|------|------|------|-------|-------|
| Size | inches | 2 | 3 | 4 | 6 | 8 |
| Size of Ring and Cover..... | inches | 6 | 6 | 8 | 10 | 14 |
| Price | each | 4.00 | 6.00 | 9.00 | 12.00 | 18.00 |

No. 2

| | | | | | | |
|----------------------------|--------|------|------|-------|-------|-------|
| Size | inches | 2 | 3 | 4 | 6 | 8 |
| Diameter of Extension..... | inches | 6 | 6 | 10 | 10 | 14 |
| Length " " | " | 10 | 10 | 10 | 10 | 10 |
| Price | each | 5.75 | 7.75 | 11.00 | 15.00 | 22.00 |

SERVICE BOXES

2½-INCH
BOX

Fig. H-1115

3-INCH
BOX

Fig. H-1116

EXTENSION
SECTION

Fig. H-1117

COVERS, KEYS, AND SCREWS



Fig. H-1118

Fig. H-1119

ENLARGED BASE



Fig. H-1120

SERVICE BOXES, 2½-INCH DIAMETER

For Service Cocks 1¼-inch and Smaller

| | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| Number | 88 | 89A | 90B | 91C | 92C | 92D | 93D | 93E | 94D |
| Extension | 12 | 12-20 | 18-26 | 21-33 | 24-38 | 24-42 | 36-48 | 36-54 | 42-57 |
| Price | .55 | .60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 |
| Number | 94E | 95E | 95G | 100E | 100F | 100G | 100FX | 100FM | .... |
| Extension | 42-60 | 48-66 | 48-84 | 54-72 | 54-78 | 54-90 | 66-102 | 87-111 | .... |
| Price | 1.00 | 1.10 | 1.30 | 1.15 | 1.20 | 1.35 | 1.70 | 1.75 | .... |

If with stop cock holder add to list, 15 cents.

STANDARD SERVICE BOXES, 3-INCH DIAMETER

| | | | | | | | | |
|-----------------|-----|--------|-------|-------|-------|-------|-------|-------|
| Number | 0 | 1 | 1½ | 2 | 3 | 4 | 5 | 7 |
| Extension | 10 | 13-21½ | 18-28 | 24-39 | 32-48 | 34-58 | 42-66 | 48-72 |
| Price | .65 | .80 | .85 | .90 | 1.00 | 1.05 | 1.15 | 1.30 |

Enlarged base for boxes to use with 2-inch stop cocks, add to net cost of 2-inch boxes, each, 30 cents, and 3-inch, 40 cents.

TOP AND BOTTOM SECTIONS—WITHOUT COVER, KEY OR SCREW

| | | | | | | | |
|---|-----|-----|-----|-----|------|------|------|
| Number | 89A | 90B | 91C | 92C | 92D | 93D | 93E |
| Price, 2½-inch Top or Bottom Sections | .30 | .33 | .35 | .38 | .40 | .43 | .45 |
| Number | 94D | 94E | 95E | 95G | 100E | 100F | 100G |
| Price, 2½-inch Top or Bottom Sections | .48 | .50 | .55 | .65 | .58 | .60 | .68 |
| Number | 1 | 1½ | 2 | 3 | 4 | 5 | 7 |
| Price, 3-inch Top or Bottom Sections | .40 | .43 | .45 | .50 | .53 | .58 | .65 |

EXTENSION SECTIONS

| | | | | | | | |
|--------------------------------|------|------|------|------|------|------|------|
| Number | 151 | 152 | 153 | 154 | 155 | 156 | 157 |
| Increasing Length of Box | 9½ | 16½ | 28 | 33 | 20 | 24 | 30 |
| Price, 2½-inch Diameter | .35 | .40 | .50 | .55 | .... | .... | .... |
| “ 3 “ ..... | .... | .... | .... | .... | .45 | .50 | .55 |

COVERS, KEYS AND BRASS SCREWS

| | | |
|---|------|-----|
| Price, Covers, Lettered “Gas,” “Water,” etc. | each | .12 |
| “ Keys | “ | .04 |
| “ Brass Screws | “ | .10 |

Covers marked water unless otherwise specified.

JARECKI SERVICE BOXES

SECTIONAL

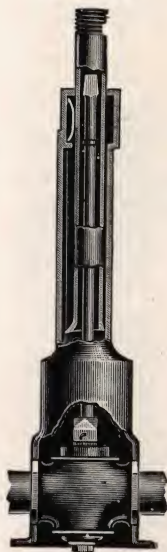


Fig. H-1121

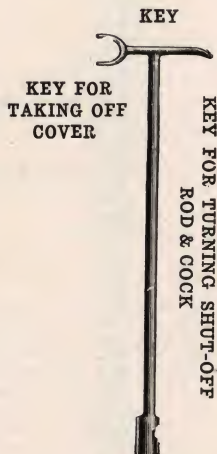


Fig. H-1123



Fig. H-1125



Fig. H-1124

EXTERIOR



Fig. H-1122

| No. | FOR COCKS 1/2 AND 3/4-IN. | | No. | FOR COCKS 3/4 AND 1-IN. | | No. | FOR COCKS 1 1/4 AND 1 1/2 IN. | | No. | FOR COCKS 2-IN. | |
|--------|------------------------------|---------------|--------|----------------------------|---------------|--------|----------------------------------|---------------|-----|---------------------|---------------|
| | Extension Inches | Price Each | | Extension Inches | Price Each | | Extension Inches | Price Each | | Extension Inches | Price Each |
| 1 | 12to18 | .90 | 17 | 12to18 | .90 | 33 | 12to18 | .90 | 49 | 12to18 | 1.00 |
| 2 | 14 " 24 | .95 | 18 | 14 " 24 | .95 | 34 | 14 " 24 | .95 | 50 | 14 " 24 | 1.05 |
| 3 | 18 " 28 | 1.00 | 19 | 18 " 28 | 1.00 | 35 | 18 " 28 | 1.00 | 51 | 18 " 28 | 1.10 |
| 4 | 22 " 32 | 1.00 | 20 | 22 " 32 | 1.00 | 36 | 22 " 32 | 1.00 | 52 | 22 " 32 | 1.10 |
| 5 | 26 " 36 | 1.05 | 21 | 26 " 36 | 1.05 | 37 | 26 " 36 | 1.05 | 53 | 26 " 36 | 1.15 |
| 6 | 20 " 36 | 1.05 | 22 | 20 " 36 | 1.05 | 38 | 20 " 36 | 1.05 | 54 | 20 " 36 | 1.15 |
| 7 | 25 " 41 | 1.10 | 23 | 25 " 41 | 1.10 | 39 | 25 " 41 | 1.10 | 55 | 25 " 41 | 1.20 |
| 8 | 30 " 46 | 1.10 | 24 | 30 " 46 | 1.10 | 40 | 30 " 46 | 1.10 | 56 | 30 " 46 | 1.20 |
| 9 | 35 " 51 | 1.15 | 25 | 35 " 51 | 1.15 | 41 | 35 " 51 | 1.15 | 57 | 35 " 51 | 1.25 |
| 10 | 40 " 56 | 1.20 | 26 | 40 " 56 | 1.20 | 42 | 40 " 56 | 1.20 | 58 | 40 " 56 | 1.30 |
| 11 | 45 " 61 | 1.25 | 27 | 45 " 61 | 1.25 | 43 | 45 " 61 | 1.25 | 59 | 45 " 61 | 1.35 |
| 12 | 50 " 66 | 1.25 | 28 | 50 " 66 | 1.25 | 44 | 50 " 66 | 1.25 | 60 | 50 " 66 | 1.35 |
| 13 | 55 " 72 | 1.30 | 29 | 55 " 72 | 1.30 | 45 | 55 " 72 | 1.30 | 61 | 55 " 72 | 1.40 |
| 14 | 60 " 76 | 1.30 | 30 | 60 " 76 | 1.30 | 46 | 60 " 76 | 1.30 | 62 | 60 " 76 | 1.40 |
| 15 | 65 " 81 | 1.35 | 31 | 65 " 81 | 1.35 | 47 | 65 " 81 | 1.35 | 63 | 65 " 81 | 1.45 |
| 16 | 70 " 86 | 1.40 | 32 | 70 " 86 | 1.40 | 48 | 70 " 86 | 1.40 | 64 | 70 " 86 | 1.50 |
| 16 1/2 | 80 " 96 | 1.55 | 32 1/2 | 80 " 96 | 1.55 | 48 1/2 | 80 " 96 | 1.55 | 65 | 80 " 96 | 1.65 |

EXTRA PARTS

| | | |
|--|------|-----|
| Price, Rods, for Boxes 18 to 56 inches Long..... | each | .25 |
| " " " 61 " 96 " " | " | .30 |
| " Covers | " | .25 |
| " Keys, 24 inches Long..... | " | .20 |
| " " 24 " " with Long "T" Handle | " | .35 |

Always specify if covers are to be marked "gas" or "water."

McNAMARA HYDRANTS AND STREET WASHERS

No. 1 HYDRANT

No. 2 HYDRANT

No. 5 HYDRANT

No. 3 STREET WASHER

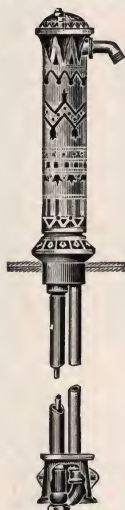


Fig. H-1126



Fig. H-1127



Fig. H-1128



Fig. H-1129

| Size.....inches | $\frac{3}{4}$ | 1 | $\frac{3}{4}$ | 1 | $\frac{3}{4}$ | 1 | $\frac{3}{4}$ | 1 |
|-------------------------------|---------------|------|---------------|------|---------------|------|---------------|------|
| To Set in Ground.....feet | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| Price, No. 1 Hydrant.....each | 5.40 | .... | 5.80 | .... | 6.30 | .... | 6.90 | .... |
| “ “ 2 “ “ “ “ | 3.90 | 6.00 | 4.30 | 6.50 | 4.70 | 7.00 | 5.25 | 7.50 |
| “ “ 5 “ “ “ “ | 4.40 | .... | 4.80 | .... | 5.25 | .... | 5.75 | .... |
| “ “ 3 Street Washer “ | 3.90 | 6.00 | 4.30 | 6.50 | 4.70 | 7.00 | 5.25 | 7.50 |

Hydrants and street washers made regularly for iron pipe; lead pipe connections extra. In ordering, state whether for lead or iron pipe.

HYDRANT REPAIRS

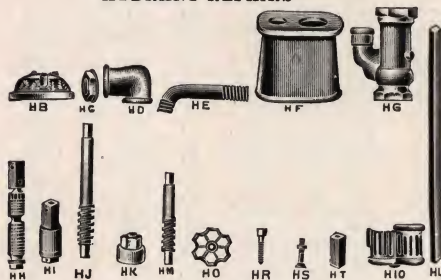


Fig. H-1130

STREET WASHER REPAIRS



Fig. H-1131

| Number.... | HB | HC | HD | HE | HF | HG | HH | HI | HJ | HK | HL | HM | HO | HR | HS |
|-------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Price..each | .25 | .15 | .15 | .25 | .20 | 1.00 | .50 | .30 | .30 | .35 | .15 | .30 | .10 | .10 | .05 |
| Number.... | HT | H10 | SA | SB | SF | SG | SH | SI | SL | SM | SP | SR | SS | ST | SU |
| Price..each | .05 | .40 | .05 | .10 | .20 | 1.00 | .50 | .30 | .15 | .30 | .50 | .15 | .25 | .25 | .35 |

Prices on parts HL and SL are for per foot. Double above list for parts for 1-inch hydrants and washers. Hydrant posts, for No. 1, each, 1.40; for No. 5, .80.

VEHICLE WASHERS AND DRINKING FOUNTAINS

"PERFECTION" VEHICLE WASHERS

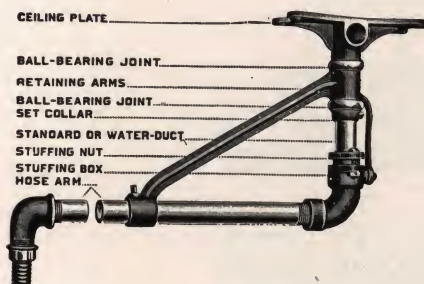


Fig. H-1132

This washer requires but 10 feet of hose, and the latter being attached to a swinging arm revolving on ball bearing joint is always out of the way, thus enabling one to wash vehicles more easily and rapidly.

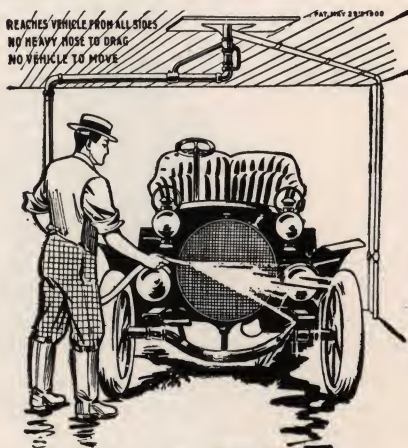


Fig. H-1133

| | | |
|---|------|-------|
| Price, No. 1—4½-foot Arm, without Hose | each | 12.00 |
| " " 2—6 " " with Turnbuckle and Brace, without Hose | " | 14.00 |



Fig. H-1134

DRINKING FOUNTAINS

FOR MAN AND HORSE

Drinking fountain for man and horse with bubbling cup for man and self-closing cock for horse fountain.

Bubbling fountain: Height, 36 inches; diam. of bowl, 17 inches; base, 12¼x13¾ inches.

Horse fountain: Height, 22 inches; basin, 46x25 inches; depth, 12 inches; base, 40x19 inches.

| | | Bronzed | Painted |
|---|--|---------|---------|
| Price, No. 1 Complete, as described | | 100.00 | 90.00 |
| " " 2 " " " less Self-Closing Cock for Horse Fountain | | 83.00 | 75.00 |
| " " 3 Horse Fountain only, with Self-Closing Cock | | 68.00 | 60.00 |
| " " 4 " " " Overflow Standpipe | | 51.00 | 45.00 |
| " Extra for Dog Lap | | 5.00 | 5.00 |

THE IMPROVED TRIUMPH WATER LIFT

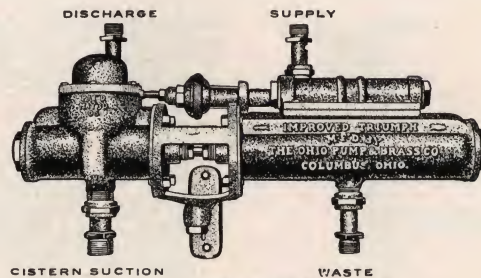


Fig. H-1135

Where in city water systems the water is hard or muddy or otherwise unfit for domestic purposes a water lift or motor pump may be employed to great advantage for furnishing good water where same is obtainable.

These lifts are operated by city water pressure and are designed to pump filtered or rain water from a cistern directly into the house pipes and plumbing fixtures, or into an attic storage tank.

They may also be used to increase or re-enforce the city pressure for the purpose of raising water to the top floors of high buildings.

| Number | CYLINDER, INCHES | | Stroke Inches | SIZE, OVER ALL | | | Weight Pounds | Price with Couplings and Strainers Each |
|--------|------------------|---------|------------------|------------------|------------------|-----------------|------------------|--|
| | Power | Suction | | Length Inches | Height Inches | Width Inches | | |
| 1 | 2½ | 2 | 5 | 23 | 12 | 8 | 37 | 55.00 |
| 2 | 2½ | 2½ | 5 | 23 | 12 | 8 | 38 | 55.00 |
| 3 | 3 | 2½ | 5 | 23 | 12 | 8 | 38 | 55.00 |
| 4 | 3 | 2 | 5 | 23 | 12 | 8 | 38 | 55.00 |
| 5 | 2½ | 3 | 5 | 23 | 12 | 8 | 40 | 60.00 |
| 6 | 3 | 3 | 5 | 23 | 12 | 8 | 41 | 60.00 |
| 8 | 4½ | 3 | 5 | 23 | 14 | 9 | 55 | 90.00 |

LIFTS ADAPTED FOR CITY PRESSURE

| City Water Pressure, pounds | 25 to 40 | 40 to 60 | 20 to 35 | 15 to 25 | 60 or More | 40 to 60 | 15 to 25 |
|-----------------------------|----------|----------|----------|----------|------------|----------|----------|
| Number of Lifts to Use..... | 1 | 2 | 3 | 4 | 5 | 6 | 8 |

SIZE OF PIPE TO USE

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 | 8 |
|-------------------|---|---|---|---|---|---|---|
| Supply.....inches | ½ | ½ | ¾ | ¾ | ¾ | ¾ | ¾ |
| Waste....." | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| Suction....." | ¾ | ¾ | ¾ | ¾ | 1 | 1 | 1 |
| Discharge....." | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |

Couplings furnished for either lead or iron pipe.

Couplings for iron pipe furnished unless otherwise ordered.

In ordering, be sure to specify whether lifts are wanted with or without automatic cut-off. If not specified, the regular model which has no cut-off will be sent.

EUREKA AND CHAMPION WATER PUMPS

EUREKA WATER PUMPS WITH AUTOMATIC CUT-OFF

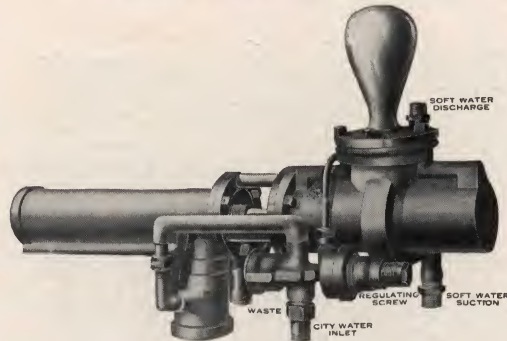


Fig. H-1136

| No. | CYLINDERS, INCHES | | Stroke Inches | Size Over All INCHES | | Net Weight Pounds | Price Each |
|----------|-------------------|-------|---------------|----------------------|--------|-------------------|------------|
| | Motive | Pump | | Length | Height | | |
| 9A | 2 1/2 | 1 3/4 | 5 | 25 | 13 | 45 | 60.00 |
| 10A | 2 1/2 | 2 1/2 | 5 | 25 | 13 | 45 1/2 | 60.00 |
| 10 1/2 A | 2 1/2 | 3 1/8 | 6 | 28 | 17 | 55 | 60.00 |
| 11A | 3 1/8 | 3 1/8 | 6 | 28 | 17 | 66 | 80.00 |
| 12A | 3 3/8 | 3 3/8 | 6 | 29 | 18 | 87 | 100.00 |
| 13A | 3 3/8 | 2 3/8 | 6 | 29 | 18 | 85 | 100.00 |

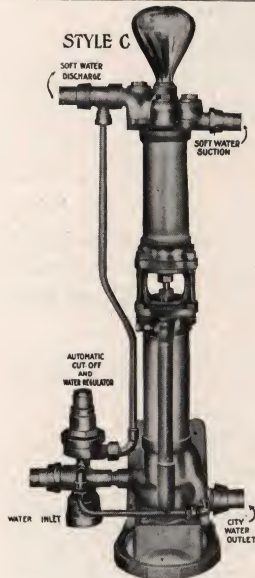


Fig. H-1137

CHAMPION HYDRAULIC PUMPS WITH AUTOMATIC CUT-OFF

For using city water pressure as motive power, to pump cistern water to house fixtures or to drain cellars. Entirely automatic.

| No. | CYLINDERS, INCHES | | Stroke Inches | Height Over All Inches | Net Weight Pounds | Price Each |
|-----|-------------------|--------|---------------|------------------------|-------------------|------------|
| | Motive | Pump | | | | |
| 1C | 2 1/2 | 2 1/2 | 5 | 31 | 30 | 60.00 |
| 2C | 2 1/2 | 2 | 5 | 31 | 30 | 60.00 |
| 7C | 2 1/2 | 3 | 5 | 31 | 32 | 60.00 |
| 3C | 3 | 2 1/2 | 5 | 31 | 34 | 70.00 |
| 4C | 3 | 2 | 5 | 31 | 34 | 70.00 |
| 6C | 3 | 3 | 5 | 31 | 36 | 70.00 |
| 9C | 3 3/16 | 3 3/16 | 6 | 37 | 40 | 100.00 |
| 10C | 3 3/16 | 3 | 6 | 37 | 40 | 100.00 |

For open tank jobs specify pump with water regulator instead of automatic cut-off.

EUREKA AUTOMATIC WATER SYSTEMS

ELECTRIC—PNEUMATIC

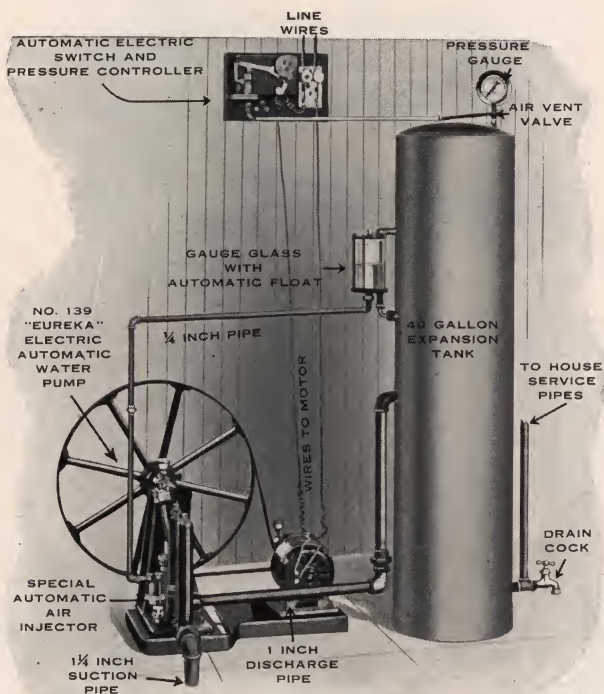


Fig. H-1138

The Eureka Electric Water System consists of No. 139 electric pump, automatic electric switch and pressure controller, 40-gallon expansion tank, special automatic air injector, gauge glass with automatic float, pressure gauge, air vent valve, drain cock and foot valve with strainer. For capacities, etc. see specifications of pump given below.

Price, Complete.....each 200.00

No. 139 ELECTRIC AUTOMATIC WATER PUMP

With Automatic Electric Switch and Pressure Controller

| Capacity per Hour Gallons | Maximum Pumping Height Feet | Maximum Suction Lift Feet | H. P. of Motor | Size of Suction Inches | Size of Discharge Inches | DIMENSIONS OVER ALL INCHES | | | Shipping Weight Pounds | Price with A. C. or D. C. Motor Each |
|---------------------------------|--------------------------------------|------------------------------------|----------------------|------------------------------|--------------------------------|-------------------------------|-------|-------|------------------------------|--|
| | | | | | | Height | Width | Depth | | |
| 150 | 80 | 15 | $\frac{1}{6}$ | $1\frac{1}{4}$ | 1 | $28\frac{3}{4}$ | 21 | 32 | 240 | 130.00 |

"V & K" PUMPS, ETC.

"V & K" WATER MOTOR PUMPS

"V & K" Water Motor Pumps or "Water Lifts" are operated by city water pressure or pressure from pneumatic water supply systems, and are used for pumping soft or rain water from the cistern to the residence for bath room, kitchen and laundry purposes. They are adaptable only in those localities where the city or artesian water is hard or otherwise unfit for use in the residence, and where soft or rain water is used.

"V & K" ELECTRIC RAIN WATER PUMPS AND SYSTEMS

"V & K" Electric Rain Water Pumps were designed for exactly the same service as the "V & K" Water Motor Pumps. They are operated by electric motors, are automatic, and may be used wherever electric current is available. They are to be recommended in place of the water motor pumps on account of the fact that they are less complicated, and less expensive to operate and keep in repair. The cost of operating with a 10-cent electric light rate is only about 6½ cents per 1000 gallons.

"V & K" ELECTRIC, ENGINE, AND POWER-DRIVEN SHALLOW WELL PUMPS AND SYSTEMS

"V & K" Shallow Well Pumps and Systems were designed especially for use in suburban and country homes, apartment houses, etc., for general domestic service. They are suitable for pumping from shallow wells, lakes or streams, or other source of supply where the vertical suction lift does not exceed 22 feet. They are suitable for maintaining a pressure of 50 pounds on the system and are made in sizes large enough to take care of all requirements to be found in the residence. The average cost for operating based on electric light rate of 10 cents per kilowatt hour, is approximately 7 cents per 1000 gallons.

"V & K" ELECTRIC AND POWER-DRIVEN DEEP WELL PUMPS

"V & K" Deep Well Pumps were designed for pumping water from open or cased wells where the depth to water level in the well ranges from 22 feet to 200 feet. They are designed in sizes which are best adapted to residence service, are simple in design, quiet in operation and absolutely reliable. The cost of operating the electrically-driven outfits with a 10-cent electric light rate ranges from 7 to 12 cents, depending on the depth to water level, pressure pumped against and quantity of water pumped.

"V & K" WATER MOTOR PUMPS**STYLE DA**

WITH HAND-OPERATED AIR COMPRESSOR

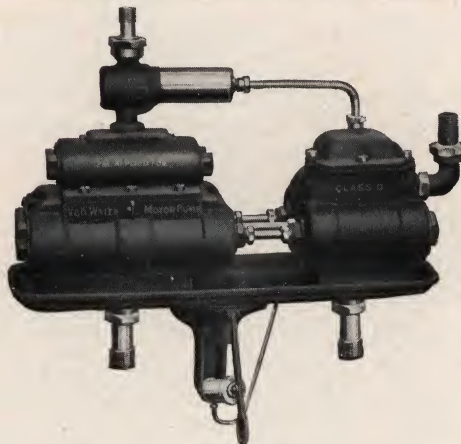


Fig. H-1139

These water motor pumps or water lifts are operated by city water pressure or pressure from pneumatic water supply systems, and are used for pumping soft or rain water from cistern to the residence for bath room, kitchen and laundry purposes. They are adaptable only in those localities where the city or artesian water is hard or otherwise unfit for use in the residence and where soft or rain water is used.

They are duplex, entirely automatic in operation and have only four moving parts.

Style DA motors are fitted with the "V & K" Positive Shut-off, "V & K" Air Separator, "V & K" Hand Operated Air Compressor and a full set of brass union fittings.

The "V & K" Air Separator and "V & K" Hand-Operated Air Compressor are exclusive features of the "V & K" Pumps. They eliminate more than 50 per cent of the wear and tear on the pumps, besides eliminating altogether the water-logging of the compression tanks.

This air compressor may be attached to any "V & K" Pump already installed.

Be sure to get the lowest city water pressure at the point where pump is to be located, then choose the proper size pump for that pressure.

| Size No. | Water Pressure Required Pounds | SIZE OF PIPES TO USE, INCHES | | | | Price Each |
|----------|--------------------------------|------------------------------|---------|---------|-----------|------------|
| | | Supply | Exhaust | Suction | Discharge | |
| 4 | 40 and above | 1/2 | 3/4 | 1 | 3/4 | 56.00 |
| 5 | 15 " " | 3/4 | 3/4 | 3/4 | 1/2 | 56.00 |
| 6 | 25 " " | 3/4 | 3/4 | 1 | 3/4 | 56.00 |
| 7 | 65 " " | 1/2 | 3/4 | 1 | 3/4 | 56.00 |

Price, air compressor complete, ready to attach to any "V & K" Pump already in service, 7.00.

"V & K" WATER MOTOR PUMPS

STYLE DE



Fig. H-1140

Style DE is also equipped with "V & K" Air Separator, "V & K" Economy Valve, V & K Hand-Operated Air Compressor and a full set of brass union fittings.

STYLE D

Style D pump is designed for use on all open tank soft water systems. It is equipped with the "V & K" Pressure Regulator and a full set of brass union fittings.

This pump may be used with either plain open tank system where the city water exhaust is piped to the sewer and wasted, or with the "V & K" Open Tank Economy System where the city water exhaust is piped to the house fixtures and utilized for flushing closets, etc.

The Style DE pump is for use only with the "V & K" Economy System. This system is equipped with the "V & K" Economy Valve which prevents all waste of city water and makes possible the direct pressure soft water system without cost for city water used to operate it.

The valve operates as follows: The hard water waste from the motor pump is piped to the hard water fixtures in the residence and is used for flushing closets, etc. As hard water is used, the motor pump operates, pumping soft water into the compression tank until a certain predetermined pressure is developed, then the hard water is automatically by-passed around the motor pump. It will be seen, therefore, that the motor pump operates only that part of the time necessary to supply the soft water demand, and that the system operates without any expense whatever.

STYLE D

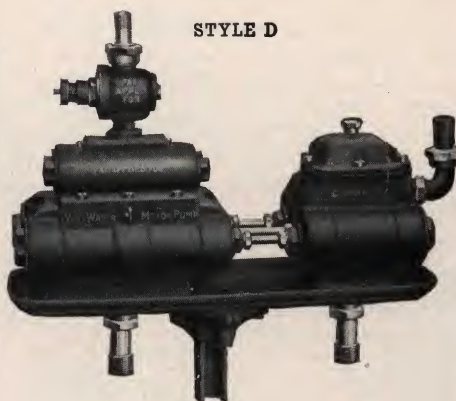


Fig. H-1141

| Size No. | WATER PRESSURE REQUIRED, POUNDS | | | SIZE OF PIPES TO USE, IN. | | | | PRICE, EACH | | Price Air Compressor only |
|----------|---------------------------------|------------------------------------|--------------------------------------|---------------------------|---------|---------|-----------|-------------|---------|---------------------------|
| | Style DE | Style D for Plain Open Tank System | Style D for Open Tank Economy System | Supply | Exhaust | Suction | Discharge | Style DE | Style D | |
| 4 | 60 and above | 25 and above | 40 and above | 1/2 | 3/4 | 1 | 3/4 | 64.00 | 52.00 | 7.00 |
| 5 | 25 " " | 8 " " | 15 " " | 3/4 | 3/4 | 3/4 | 1/2 | 64.00 | 52.00 | 7.00 |
| 6 | 35 " " | 15 " " | 25 " " | 3/4 | 3/4 | 1 | 3/4 | 64.00 | 52.00 | 7.00 |
| 7 | ..... | 40 " " | ..... | 1/2 | 3/4 | 1 | 3/4 | ..... | 52.00 | 7.00 |

Be sure to get the lowest city water pressure at the point where the pump is to be located, then choose the proper size pump for that pressure.

"V & K" WATER MOTOR PUMPS

SYSTEM WITH STYLE DA PUMP

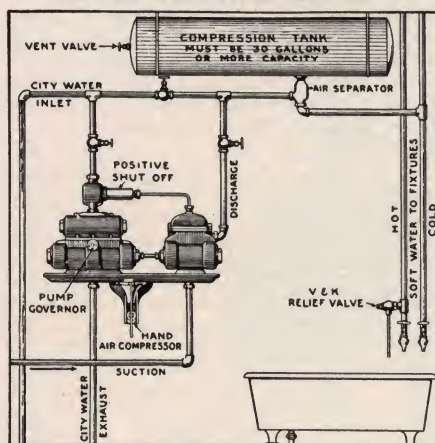


Fig. H-1142

SYSTEM WITH STYLE DE PUMP

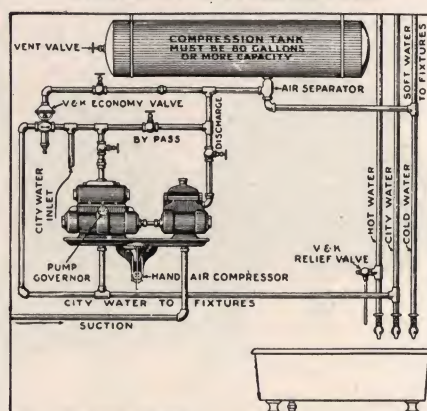


Fig. H-1143

Full instructions are furnished with each pump and should be followed carefully to get best results.

Fig. H-1142 shows the correct method of installing "V & K" Direct Pressure Pumping System using Style DA pump. Nothing less than a 30-gallon compression tank should be used. If more than one bath room is to be supplied figure on 30 gallons in tank capacity for each additional bath, and for shower bath even greater capacity is necessary.

Fig. H-1143 shows correct method for installing "V & K" Economy System using Style DE pump.

SYSTEM WITH STYLE D PUMP

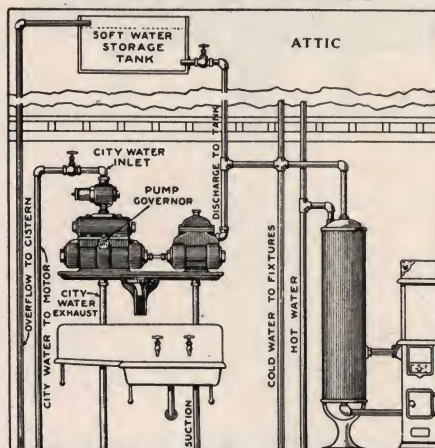


Fig. H-1144

A large sized compression tank is absolutely necessary to the successful operation of the "V & K" Economy System. Nothing less than an 80-gallon compression tank should be used, even on the smallest system, and for best results figure on 25 gallons in tank capacity for each member of the household. Example: For a family of 4, use a 100-gallon tank.

Fig. H-1144 shows Style D pump installed on plain open tank system.

AMOUNT OF CITY WATER USED TO OPERATE "V & K" MOTOR PUMPS

| Number of Pump | 4 | 5 | 6 | 7 |
|---|---|----|----|---|
| City Water req. to Pump 1 Gal. of Soft Water. . gals. | 1 | 2½ | 1½ | ¾ |

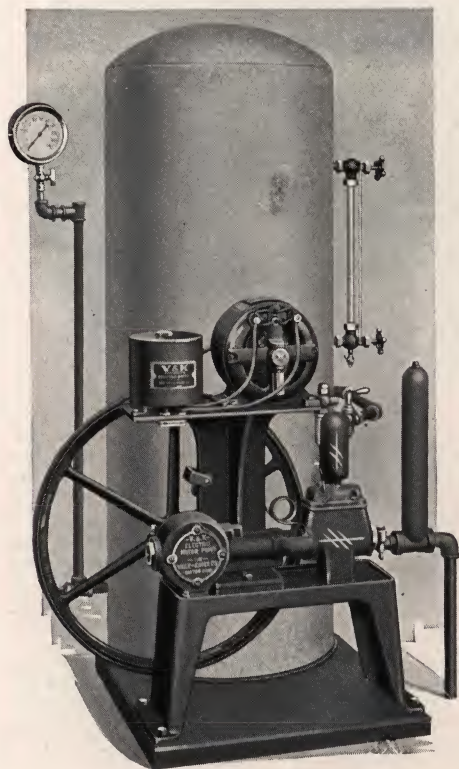
"V & K" COMPLETE RAIN WATER SYSTEMS**FOR SOFT WATER SUPPLY IN RESIDENCES**

Fig. H-1145

No. 267

No. 267 is designed to fill the demand for a complete, compact, self-contained and reliable outfit; for supplying soft water automatically under pressure for all domestic requirements. Capacity 180 gallons per hour, capacity of tanks furnished 53 and 120 gallons, maximum pressure developed, 35 pounds, maximum vertical suction lift, 22 feet. Dimensions with 53-gallon tank 50 inches high, 25 inches wide, 30 inches deep, with 120-gallon tank 63 inches high, 32 inches wide, 36 inches deep.

The Complete outfit includes: One "V & K" 103 Electric Pumping Outfit, including pump, motor, automatic electric switch, air pumping attachment, and vacuum chamber, complete as shown. One special vertical galvanized pneumatic tank. One cast iron base for pump and tank, one each pressure gauge, water gauge, gate valve, check valve, relief valve, hose bibb, pipe and fittings as shown.

| | | | |
|--|---------|--------|--------|
| Size of Tank | gallons | 53 | 120 |
| Price, 103A, Complete with Motor for 60-cycle, Single-phase, 110 or 220-volt, Alternating Current | | 180.00 | 220.00 |
| " 103B, Complete with Motor for 110 or 220-volt, Direct Current | | 170.00 | 210.00 |
| " 103C, Complete with Motor for 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt, Alternating Current . . . | | 190.00 | 230.00 |
| " 103D, Complete with Motor for 30 or 60-volt, Direct Current for Operating from Country Lighting Circuits | | 180.00 | 220.00 |

In ordering, always specify whether motor is for 110 or 220-volt current, as these motors are not interchangeable.

All electric motors furnished are suitable for continuous service.

"V & K" ELECTRIC RAIN WATER PUMPS

FOR DIRECT PRESSURE SYSTEMS

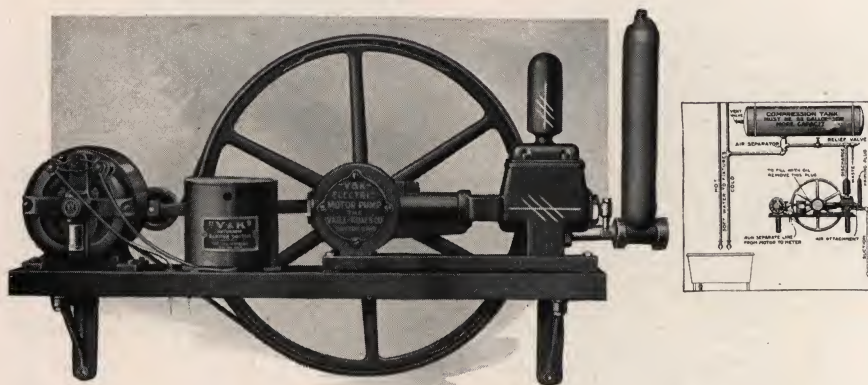


Fig. H-1146

The "V & K" Electric Rain Water Pump is a much more satisfactory device for soft water service than is the water motor pump or water lift, and for best results its use is recommended in preference to the water lift. This is particularly true in localities where the city water is low or varying or where it contains sulphur, alkali, grit or other substances which affect the working parts of the lift.

It maintains an even pressure at all times and is not affected by varying city water pressures as is the water lift. It is suitable for a vertical suction lift of 22 feet and a discharge pressure of 35 pounds or a head of 75 feet.

When the "V & K" Automatic Electric Switch stops the motor there is no further opportunity for waste, as is true with the ordinary water lift.

From actual service tests it was found that the "V & K" Electric Rain Water Pump will supply the average household with soft water at a cost of about 3 cents per month, or, based on a current rate of 10 cents per kilowatt hour, the cost of pumping is 6½ cents per 1000 gallons in current consumed.

All working parts operate in an oil-tight, dustproof crank case in a bath of oil. One filling with oil will last a year in average service.

This outfit is suitable for continuous service and is fully guaranteed. It may be used for well pumping where 35 pounds pressure is sufficient for requirements.

Gallons per hour, 180; pressure, 35 pounds; suction, ¾-inch; discharge, ½-inch; length, 33 inches; width, 10 inches; height, 20 inches; weight, 130 pounds.

| | |
|---|--------|
| Price, No. 1A, Complete with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 130.00 |
| " No. 1B, Complete, with Motor for 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 142.00 |
| " No. 1C, Complete, with Motor for 30 or 60-volt Direct Current, for Operating from Farm Lighting Outfits..... | 130.00 |
| " No. 1D, Complete, with Motor for 110 or 220-volt Direct Current..... | 115.00 |
| " " 1E, " except without Motor or Motor Pulley | 80.00 |

Prices include motor, pump and automatic electric switch all mounted on wood base, also air separator, air chamber for suction, special air pumping attachment, pressure relief valve, and union connections for suction and discharge.

This outfit furnished on legs instead of brackets if desired, at same price.

"V & K"
ELECTRIC RAIN WATER PUMPS
FOR OPEN TANK SYSTEMS

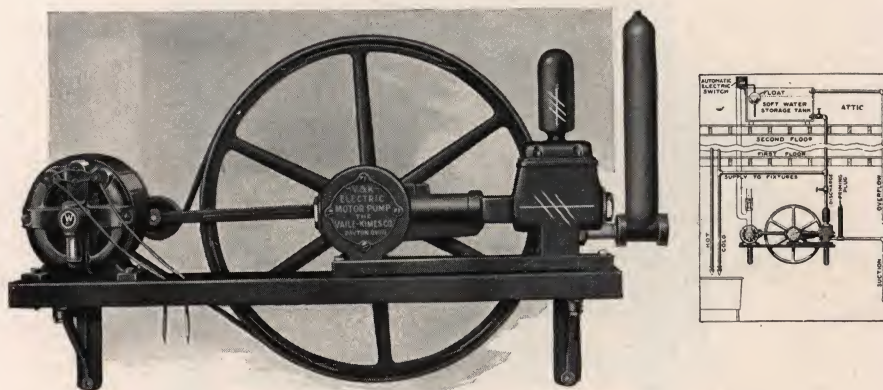


Fig. H-1147

This pump is same as that used for direct pressure systems, except that the direct pressure automatic switch is omitted. This outfit is used to pump soft water from a cistern or other source of supply into an open attic tank. This outfit may be made to operate automatically, if desired, by using the "V & K" Automatic Open Tank Switch listed below. It is suitable for a vertical suction lift of 22 feet and for a discharge pressure of 35 pounds or a head of 75 feet.

The outfit is for continuous service and is fully guaranteed. It may be used for well service, but must not operate continuously against more than the pressure specified.

Gallons per hour, 180; feet head, 75 feet; suction, $\frac{3}{4}$ -inch; discharge, $\frac{1}{2}$ -inch; length, 33 inches; width, 10 inches; height, 20 inches; weight, 130 pounds.

| | |
|---|--------|
| Price, No. 2A, Complete, with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 110.00 |
| " No. 2B, Complete, with Motor for 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 122.00 |
| " No. 2C, Complete, with Motor for 30 or 60-volt Direct Current, for Operating from Farm Lighting Systems..... | 110.00 |
| " No. 2D, Complete, with Motor for 110 or 220-volt Direct Current..... | 95.00 |
| " " 2E, " except without Motor or Motor Pulley..... | 65.00 |

Above prices are for outfits without automatic electric switch.

Extra for open tank electric switch complete with float, rod, etc., suitable for motors up to $\frac{1}{2}$ horse power, 20.00.

Above prices include pump and motor mounted on wood base, also air chamber for suction and union connections for suction and discharge.

This outfit furnished on legs instead of brackets if desired at same price.

"V & K" ELECTRIC WELL WATER PUMPS

No. 3

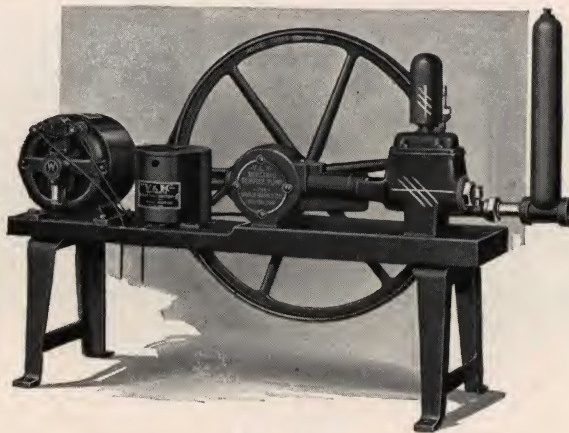


Fig. H-1148

This outfit is amply large to supply the ordinary size residence with water from a well or other source of supply for all general purposes, including a moderate amount of sprinkling. It is suitable for vertical suction lifts of 20 to 22 feet and for pumping against 50 pounds pressure or 110 feet head.

Crank shaft, crosshead and connecting rod pins are of hardened and ground steel; all bearings, crosshead and connecting rods are hard bronze; piston rod is Tobin bronze, valve seats and stems are bronze, valves are pure rubber and the piston is leather packed.

All working parts operate in an oil-tight, dustproof crank case in a bath of oil. The electric motors are also provided with hard oil reservoirs of ample capacity to run for from six months to a year.

This outfit is equipped with an automatic electric switch which makes it entirely automatic in operation. It is regularly adjusted to start the motor when the pressure is reduced in the system to about 30 pounds and to stop it when the pressure reaches 50 pounds. The greatest working efficiency of this system is obtained by using it in connection with tanks of from 120 to 350 gallons capacity.

Gallons per hour, 180; pressure, 50 pounds; suction, $\frac{3}{4}$ -inch; discharge, $\frac{1}{2}$ -inch; length, 33 inches; width, 10 inches; height, 24 inches; weight, 150 pounds.

| | |
|--|--------|
| Price, No. 3A, Complete with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 150.00 |
| " No. 3B, Complete with Motor for 110 or 220-volt Direct Current..... | 130.00 |
| " " 3C, " " " " 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 162.00 |
| " No. 3D, Complete with Motor for 30 or 60-volt Direct Current, for Operating from Country Lighting Systems..... | 150.00 |
| " No. 3E, Complete, except without Motor or Motor Pulley..... | 85.00 |

If without automatic electric switch, deduct 20.00.

Above prices include pump, motor and automatic switch all mounted on iron base on legs, air chamber for suction and union connections for suction and discharge, pressure relief valve, also special air attachment for supplying air to tank, and handle for operating pump by hand when necessary.

No separate air compressor is needed with this outfit.

“V & K” ELECTRIC SHALLOW WELL PUMPS

NO. 5

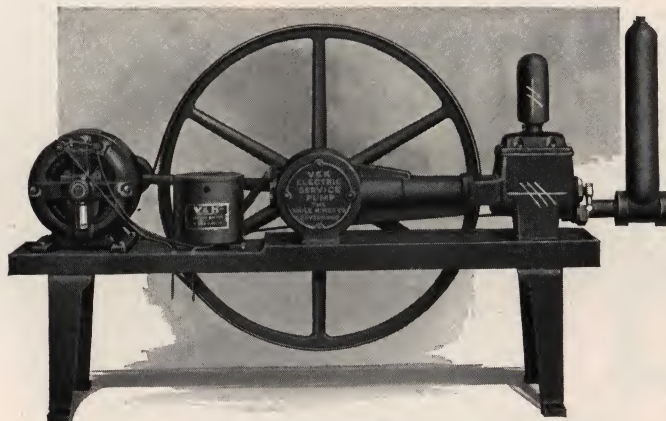


Fig. H-1149

This outfit is suitable in size for supplying residences of medium size, country homes, small apartment buildings, country clubs, etc., with water for all general purposes. It is designed especially for use in connection with pneumatic water supply systems, and is similar in every way to the size No. 3. It is suitable for vertical suction lifts of 22 feet and for a discharge pressure of 50 pounds or a head of 110 feet.

This outfit is equipped with an automatic electric switch that starts and stops the pump automatically, starting when the pressure in the system is reduced to 30 pounds, and stopping when a maximum of 50 pounds pressure is developed in the tank. This outfit is also equipped with a special air attachment for pumping air into the pneumatic tank, also handle for operating by hand when necessary.

Gallons per hour, 360; pressure, 50 pounds; suction, 1-inch; discharge, $\frac{3}{4}$ -inch; length, 41 inches; width, 13 inches; height, 27 inches; weight, 250 pounds.

| | |
|--|--------|
| Price, No. 5A, Complete with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 195.00 |
| “ No. 5B, Complete with Motor for 110 or 220-volt Direct Current..... | 175.00 |
| “ “ 5C, “ “ “ “ 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt Alternating Current..... | 215.00 |
| “ No. 5D, Complete with Motor for 60-cycle, Two or Three-phase, 110 or 220-volt Alternating Current..... | 195.00 |
| “ No. 5E, Complete, except without Motor or Motor Pulley..... | 110.00 |

If without automatic electric switch, deduct 20.00.

Above prices include pump, motor and automatic switch all mounted on iron base on legs, air chamber for suction and union connections for suction and discharge, pressure relief valve, also special air attachment for supplying air to tank.

No separate air compressor is needed with this outfit.

"V & K"
ELECTRIC SHALLOW WELL PUMPS
FOR LARGE RESIDENCES, APARTMENT HOUSES, ETC.

No. 7

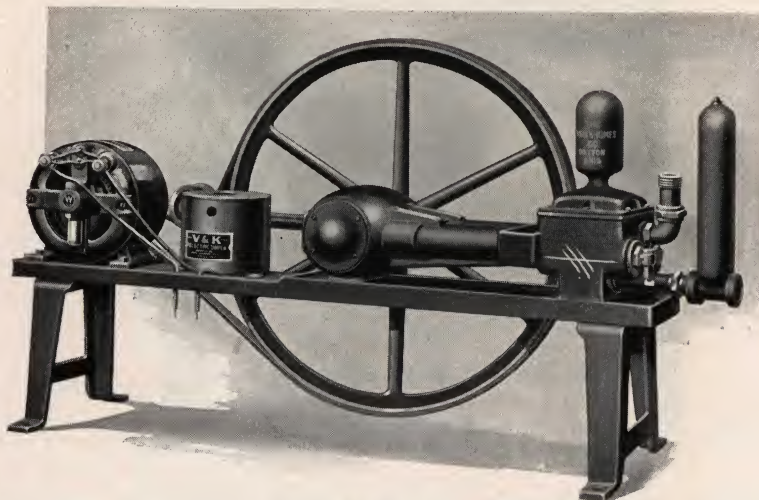


Fig. H-1150

This outfit may be placed anywhere convenient and the suction pipe run to the well as long as the pipe is absolutely air-tight and the distance from pump to well is not more than 100 to 200 feet.

Complete outfit includes: Motor, pump and automatic electric switch all mounted on heavy iron base on legs, air chamber for suction union connection for suction and discharge. Has special air pumping attachment for supplying air to tank, and handle for operating pump by hand when necessary. Capacity 720 gallons per hour maximum pressure, 50 pounds, vertical suction lift, 22 feet. $1\frac{1}{4}$ -inch suction and 1-inch discharge pipe. 52 inches long, 13 inches wide, 31 inches high. Shipping weight 310 pounds.

| | |
|---|--------|
| Price, No. 7A, Complete with Motor for Either 110 or 220-volt, 60-cycle, Single-phase, Alternating Current..... | 250.00 |
| " No. 7B, Complete with Motor for Either 110 or 220-volt, Direct Current..... | 240.00 |
| " No. 7C, Complete with Motor for Either 25, 30, 40, 50, 125, or 133-cycle, Single-phase, 110 or 220-volt, Alternating Current..... | 270.00 |
| " No. 7D, Complete with Motor for 30 or 60-volt, Direct Current for Operating from Country Lighting Systems..... | 250.00 |
| " No. 7E, Complete except without Motor or Motor Pulley..... | 160.00 |

If no automatic electric switch is wanted, deduct 20.00 list from above prices.

In ordering always specify whether motor is for 110 or 220-volt current, as these motors are not interchangeable.

All motors furnished are suitable for continuous service.

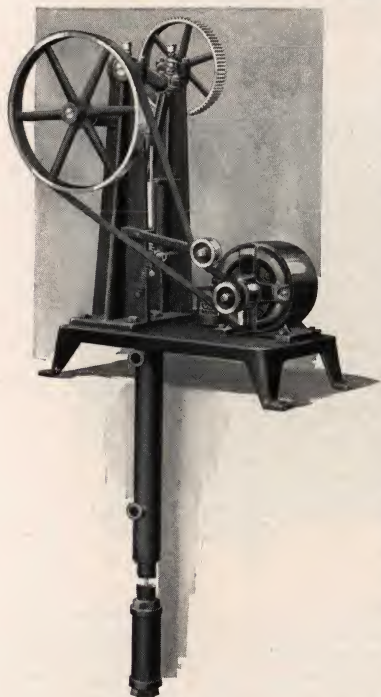
"V & K" DEEP WELL OUTFITS

Fig. H-1151

These outfits furnished complete as shown in illustration, nothing extra is needed except suction pipe and $\frac{3}{8}$ -inch steel sucker rod. Every point which would be difficult for the average person to understand has been taken care of and made as easy to install as any plumbing fixture. A reliable automatic electric switch is furnished with each outfit for automatically controlling the operation of the pump. It starts the pump when the pressure in the system is reduced to 30 pounds and stops it when the pressure reaches 50 pounds. Every direct pressure system outfit is furnished with a "V & K" Pressure Relief Valve to protect the system against accident. The method of connecting pump and motor makes the outfit practically noiseless in operation where reasonable care is exercised in making the installation. This pump is of the type which must be located immediately over the well as the pumping cylinder is direct-connected to the working head as shown. $1\frac{1}{4}$ -inch suction, $\frac{3}{4}$ -inch discharge on all except 600-gallon pumps which have 1-inch discharge.

| Motor | Size No. | Depth to Water Level Feet | Gallons per Hour | Price Each | Motor | Size No. | Depth to Water Level Feet | Gallons per Hour | Price Each |
|---|----------|---------------------------|------------------|------------|--|----------|---------------------------|------------------|------------|
| 60-cycle 1-phase 110 or 220-V. A. C. | 203 A | 22—50 | 150 | 170.00 | *25-cycle 1-phase, 110 or 220-V., A. C. | 207 C | 22—50 | 600 | 300.00 |
| | 205 A | 22—50 | 300 | 220.00 | | 207 C X | 50—125 | 375 | 300.00 |
| | 205 A X | 50—125 | 150 | 220.00 | | 207 C Y | 125—200 | 190 | 300.00 |
| | 207 A | 22—50 | 600 | 280.00 | | 203 D | 22—50 | 150 | 170.00 |
| | 207 A X | 50—125 | 375 | 280.00 | | 205 D | 22—50 | 300 | 220.00 |
| 110 or 220-V. D. C. | 207 A Y | 125—200 | 190 | 280.00 | 30-60 D. C. | 205 D X | 50—125 | 150 | 220.00 |
| | 203 B | 22—50 | 150 | 160.00 | | 207 D | 22—50 | 600 | 270.00 |
| | 205 B | 22—50 | 300 | 210.00 | | 207 D X | 50—125 | 375 | 270.00 |
| | 205 B X | 50—125 | 150 | 210.00 | | 207 D Y | 125—200 | 190 | 270.00 |
| | 207 B | 22—50 | 600 | 270.00 | 60-cycle, 2 or 3-phase, 110 or 220-V., A. C. | 203 E | 22—50 | 150 | 95.00 |
| *25-cycle 1-phase, 110 or 220-V., A. C. | 207 B X | 50—125 | 375 | 270.00 | | 205 E | 22—50 | 300 | 116.00 |
| | 207 B Y | 125—200 | 190 | 270.00 | | 205 E X | 50—125 | 150 | 116.00 |
| | 203 C | 22—50 | 150 | 190.00 | | 207 E | 22—50 | 600 | 170.00 |
| | 205 C | 22—50 | 300 | 240.00 | | 207 E X | 50—125 | 375 | 170.00 |
| | 205 C X | 50—125 | 150 | 240.00 | | 207 E Y | 125—200 | 190 | 170.00 |
| | | | | | No Motor | | | | |

*Also 30, 40, 50, 125 or 133-cycle.

If no automatic electric switch is wanted deduct 20.00 on Nos. 3 and 5 sizes and 30.00 on No. 7 list from above prices.

"V & K" fresh water attachment for use with "V & K" Systems exclusively 5.00 each.

In ordering always specify whether motor is for 110 or 220-volt current as these motors are not interchangeable. All motors are furnished for continuous service.

"V & K" ELECTRIC SHALLOW WELL SYSTEMS

Vertical Suction Lift, 22 Feet—Maximum Discharge Pressure, 50 Pounds



Fig. H-1152

The system above illustrates the application of the "V & K" Electric Shallow Well Pump for domestic use in connection with the pneumatic tank and the standard systems outlined below are so classified that anyone making the application will have a guide as to the best system to use for the particular requirements at hand. System shown is equipped with the new and exclusive "V & K" fresh water attachment for supplying water direct from the well for drinking and cooking purposes.

Specifications for complete system include one "V & K" Electric Shallow Well Pump complete, one pneumatic tank complete with water gauge and pressure gauge, "V & K" fresh water attachment, one, each, relief valve, stop valve, stop and waste cock, hose bibb, pipe and fittings, as shown.

STANDARD SYSTEMS WITH VERTICAL TANKS FOR SMALL RESIDENCES

| |
|---|
| No. 192A, with No. 3 Pump; Tank, 24 inches x 5 feet, 120 gallons. |
| " 192B, " " 3 " " 30 " x 6 " 220 " |
| " 192C, " " 3 " " 36 " x 6 " 315 " |

STANDARD SYSTEMS WITH HORIZONTAL TANKS FOR RESIDENCES OF MEDIUM SIZE

| |
|---|
| No. 190A, with No. 3 Pump; Tank, 30 inches x 8 feet, 295 gallons. |
| " 190B, " " 5 " " 30 " x 10 " 365 " |
| " 190C, " " 5 " " 36 " x 8 " 420 " |
| " 190D, " " 5 " " 36 " x 10 " 525 " |

STANDARD SYSTEMS WITH HORIZONTAL TANKS FOR LARGE RESIDENCES, APARTMENT HOUSES, ETC.

| |
|--|
| No. 273A, with No. 7 Pump; Tank, 36 inches x 10 feet, 525 gallons. |
| " 273B, " " 7 " " 42 " x 10 " 720 " |
| " 273C, " " 7 " " 42 " x 14 " 1000 " |
| " 273D, " " 7 " " 48 " x 16 " 1500 " |

Prices and full information on application.

"V & K" ELECTRIC DEEP WELL SYSTEMS

No. 271

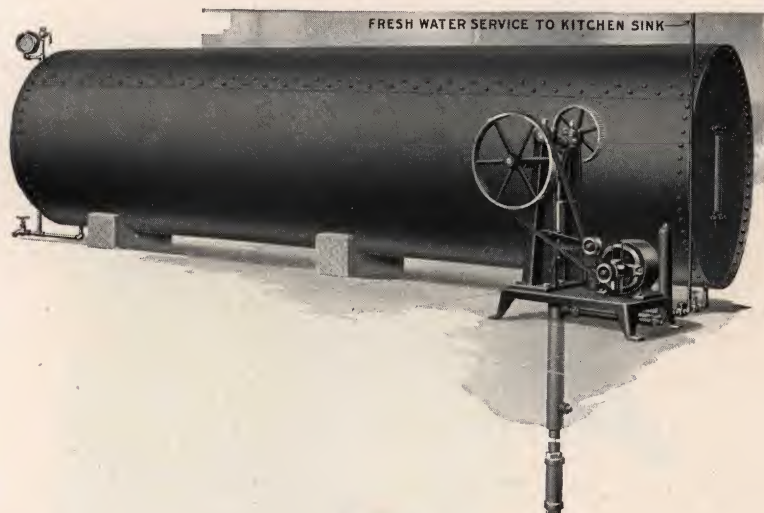


Fig. H-1153

This system shows the "V & K" Electric Deep Well Pump with pneumatic tank for domestic water supply. The systems are classified below so that any one may make the correct application for the particular outfit best suited to the requirements. It is shown equipped with the new and exclusive "V & K" fresh water attachment for supplying fresh water direct from the well for drinking and cooking purposes.

Complete system includes: One "V & K" Electric Deep Well Pump with cylinder, one pneumatic tank with water and pressure gauges, "V & K" fresh water attachment, one, each, relief valve, stop valve, stop and waste cock, check valve, hose bibb, pipe and fittings as shown (amount of drop-pipe and steel sucker rod depends on depth to water level in well).

STANDARD SYSTEMS WITH VERTICAL TANKS FOR SMALL RESIDENCES

| | |
|-----------|---|
| No. 269A, | with No. 203 Pump; Tank, 24 inches x5 feet, 120 gallons |
| " 269B, | " " 203 " " 30 " x6 " 220 " |
| " 269C, | " " 203 " " 36 " x6 " 315 " |

STANDARD SYSTEMS WITH HORIZONTAL TANKS FOR MEDIUM RESIDENCES

| | |
|-----------|--|
| No. 271A, | with No. 205 Pump; Tank, 30 inches x 8 feet, 295 gallons |
| " 271B, | " " 205 " " 30 " x10 " 365 " |
| " 271C, | " " 205 " " 36 " x 8 " 420 " |
| " 271D, | " " 205 " " 36 " x10 " 525 " |

STANDARD SYSTEMS WITH HORIZONTAL TANKS FOR LARGE RESIDENCES, ETC.

| | |
|-----------|--|
| No. 274A, | with No. 207 Pump; Tank, 36 inches x10 feet, 525 gallons |
| " 274B, | " " 207 " " 42 " x10 " 720 " |
| " 274C, | " " 207 " " 42 " x14 " 1000 " |
| " 274D, | " " 207 " " 48 " x16 " 1500 " |

Prices and full information on application.

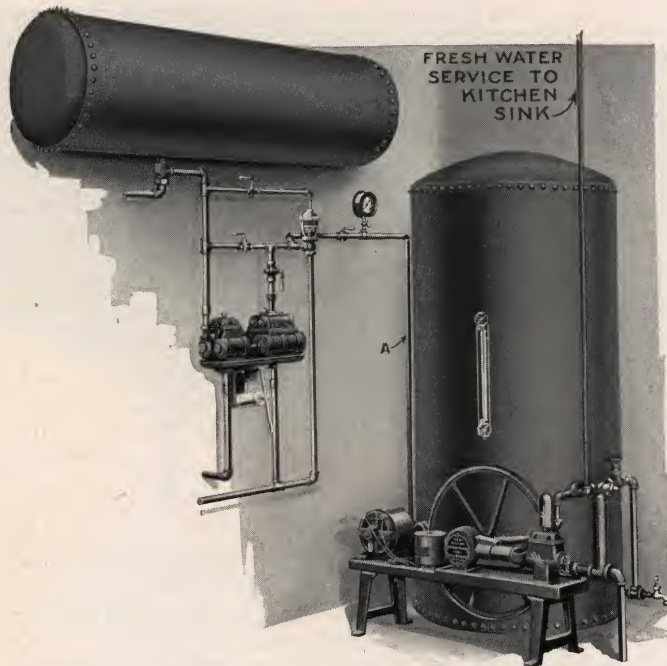
"V & K" AUTOMATIC WATER SYSTEMS**FOR HARD AND SOFT WATER**

Fig. H-1154

This system is entirely automatic in operation; also very economical.

In operating this system the electric service pump automatically keeps up the supply of water in the hard water pneumatic tank. The pressure in this hard water tank operates the motor pump, taking the place of the city water usually used for this purpose. The soft water part of this system is the "V & K" Economy System.

Specifications for complete system include one "V & K" Electric Service Pump complete; one No. 6 "V & K" Style DE water motor pump; one large pneumatic tank for hard water, complete with water and pressure gauges; one small compression tank for soft water; one $\frac{3}{4}$ -inch relief valve, three $\frac{3}{4}$ -inch stop valves, two $\frac{1}{2}$ -inch stop valves and one $\frac{1}{2}$ -inch hose bibb.

POPULAR SYSTEMS

| No. | Elec. Pump No. | Size Pump | Hard Water Tank | | Soft Water Tank | |
|------|----------------|-----------|---------------------|-------------|---------------------|------------|
| 193A | 3 | No. 6 DE | 30 inches x 6 feet, | 220 gallons | 20 inches x 5 feet, | 82 gallons |
| 193B | 5 | " 6 DE | 36 " x 6 " | 315 " | 24 " x 5 " | 120 " |
| 193C | 5 | " 6 DE | 36 " x 10 " | 525 " | 30 " x 6 " | 220 " |
| 193D | 5 | " 6 DE | 42 " x 10 " | 720 " | 30 " x 6 " | 220 " |

Prices and full information on application.

"V & K" SHALLOW WELL POWER PUMPS

FOR PNEUMATIC TANK, OPEN TANK AND IRRIGATING SERVICE

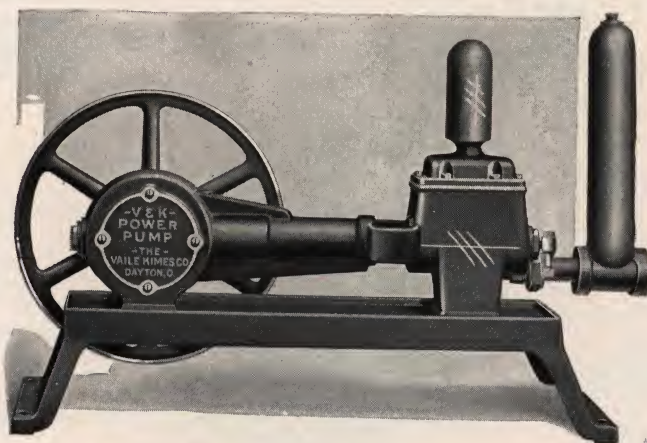


Fig. H-1155

This line of pumps is made to fill a demand for a reliable shallow well power pump. For use where a gasoline engine or other belt power is available. For 22 feet vertical suction lift.

OUTFITS FOR 50 POUNDS PRESSURE OR 110-FOOT HEAD

| Size Number..... | 703 | 705 | 707 |
|--------------------------------|----------|----------|----------|
| Capacity, per hour.....gallons | 180 | 360 | 720 |
| Revolutions per minute..... | 140 | 130 | 120 |
| Diameter of Pulley.....inches | 16 | 18 | 18 |
| Width of Belt....." | 1½ | 2 | 2½ |
| Size, Suction....." | ¾ | 1 | 1¼ |
| " Discharge....." | ½ | ¾ | 1 |
| Dimensions....." | 28x10x22 | 35x11x22 | 40x12x22 |
| Shipping Weight.....pounds | 90 | 125 | 150 |
| Price.....each | 40.00 | 50.00 | 65.00 |

OUTFITS FOR 30 POUNDS PRESSURE OR 65-FOOT HEAD

| Size Number..... | 803 | 805 | 807 | 809 |
|--------------------------------|----------|----------|----------|----------|
| Capacity, per hour.....gallons | 210 | 480 | 720 | 1080 |
| Revolutions per minute..... | 140 | 130 | 120 | 120 |
| Diameter of Pulley.....inches | 16 | 18 | 18 | 18 |
| Width of Belt....." | 1½ | 2 | 2½ | 2½ |
| Size, Suction....." | ¾ | 1 | 1¼ | 1½ |
| " Discharge....." | ½ | ¾ | 1 | 1¼ |
| Dimensions....." | 28x10x22 | 35x11x22 | 40x12x22 | 40x12x22 |
| Shipping Weight.....pounds | 90 | 125 | 150 | 150 |
| Price.....each | 40.00 | 50.00 | 65.00 | 70.00 |

All above outfits are equipped with handle for operating by hand when necessary.

"V & K" DEEP WELL POWER PUMPS

FOR PNEUMATIC TANK, OPEN TANK AND IRRIGATING SERVICE

Depth to Water Level, 22 to 200 Feet—Discharge Pressure 50 Pounds or 110-foot Head



Fig. H-1156

These outfits were designed particularly for service where gasoline engine or other belt power was available for operating them, and where a thoroughly reliable equipment was desired at a moderate price.

SPEED OF COUNTERSHAFT, 300 REVOLUTIONS PER MINUTE

| Size No. | Stroke Inches | Gal. per Hr. | Depth to Water Level Feet | Size of Pulley Inches | PIPES, INCHES | | Dimensions Inches | Ship. Weight Pounds | PRICE, EACH | |
|----------|---------------|--------------|---------------------------|-----------------------|---------------|------|-------------------|---------------------|---------------------|------------------------|
| | | | | | Suc. | Dis. | | | With Air Compressor | Without Air Compressor |
| 1103 | 6 | 150 | 22- 50 | 10x21½ | 1¼ | ¾ | 12x20x31 | 110 | 63.00 | 54.00 |
| 1105 | 6 | 300 | 22- 50 | 10x21½ | 1¼ | ¾ | 14x22x34 | 175 | 88.00 | 78.00 |
| 1105X | 6 | 150 | 50-125 | 10x21½ | 1¼ | ¾ | 14x22x34 | 175 | 88.00 | 78.00 |
| 1107 | 8 | 600 | 22- 50 | 10x31½ | 1¼ | 1 | 16x26x40 | 240 | 128.00 | 115.00 |
| 1107X | 8 | 375 | 50-125 | 10x31½ | 1¼ | ¾ | 16x26x40 | 240 | 128.00 | 115.00 |
| 1107Y | 8 | 190 | 125-200 | 10x31½ | 1¼ | ¾ | 16x26x40 | 240 | 128.00 | 115.00 |

All above outfits are equipped with handle for operating by hand when necessary.

"V & K" WATER SYSTEM ACCESSORIES

"V & K" POSITIVE SHUT-OFF

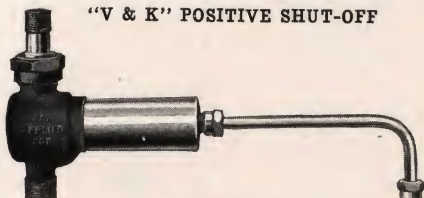


Fig. H-1157

"V & K" PRESSURE REGULATOR

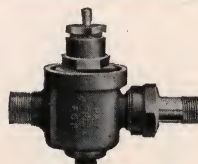


Fig. H-1158

The "V & K" Positive Shut-Off is for use on Style DA motor pumps. It automatically controls city water pressure on motor, starting and stopping it at minimum and maximum pressures at which it is set. All waste of city water is absolutely prevented. Price, 10.00.

The "V & K" Pressure Regulator is for controlling the operation of Style D pump. The regulator maintains a uniform speed regardless of any variations in city water pressure. Price, 6.00.

"V & K" ECONOMY VALVE

"V & K" PRESSURE INDICATOR

"V & K" AIR SEPARATOR



Fig. H-1159



Fig. H-1160



Fig. H-1161

The "V & K" Air Separator, for use on direct pressure systems, effects a complete separation of air and water passing through pump and discharge pipe, diverting all the air to the top of tank. Price, 2.50.

The "V & K" Pressure Indicator was designed for use in testing water pressures. It is of special value in determining the water pressure available to operate water motor pumps, automatic heaters, etc., and also for use when making repairs on these devices. It is different from the pressure gauge, in that it is so arranged that it cannot be damaged by turning the pressure on to it suddenly as is the case with ordinary gauges. It is fitted with attachments for connecting to either plain or hose bibbs. Price, with leather case, 7.00.

The "V & K" Economy Valve is used on "V & K" Economy Systems and is a part of the equipment supplied with Style DE pump. This valve may be used in combination with other makes of pumps, but it is necessary to know the size of pump and the city water pressure required to operate it before changing system. Price, 15.00.

"V & K" PRESSURE RELIEF VALVE



Fig. H-1162

The "V & K" Pressure Relief Valve is for use on all closed tank systems as a positive safeguard against accidents from excessive pressures, caused by overheating of range boiler, weakening of fire back, etc. Set at 70 pounds, but may be adjusted to any point from 30 to 125 pounds. Threaded $\frac{3}{8}$ -inch iron pipe, waste $\frac{1}{4}$ -inch iron pipe. Price, 1.50

WATER SUPPLY SYSTEMS

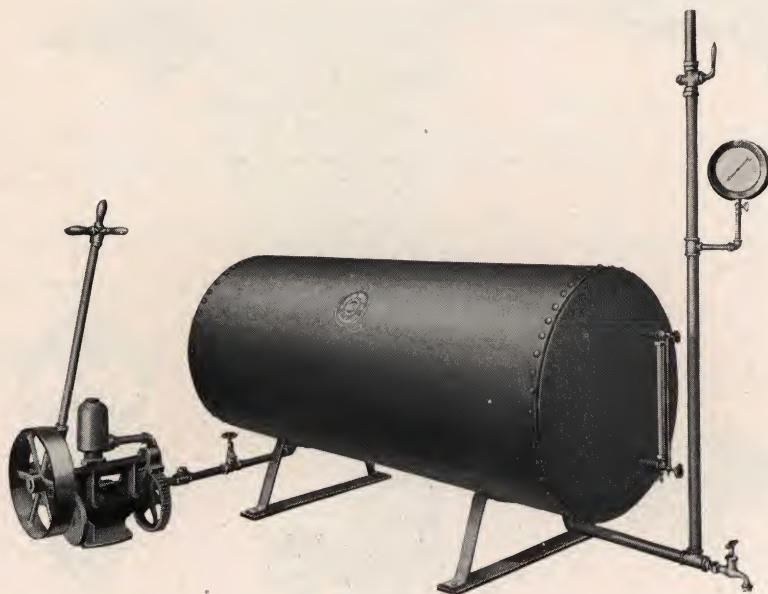


Fig. H-1163

The above illustration shows a water supply system to be operated either by hand or power, and is suitable for pumping from a well, cistern or lake where the water level is not more than 20 feet vertically below the pump. The pump has an automatic separate air cylinder. To operate the pump by hand, remove the bolt on connecting side arms.

The outfit consists of the following equipment:

| | |
|---|----------------------------------|
| 2—Wrought Iron Tank Supports | 1—1-inch Brass Gate Valve |
| 1—5-inch Pressure Gauge | 1—1-inch Brass Check Valve |
| 1—Water Gauge with Glass | 1—1-inch Brass Stop and Waste |
| 1— $\frac{1}{2}$ -inch Finished Brass Hose Bibb | 1—Hydro-Pneumatic Pump, as shown |
| 1—Lot Pipe and Fittings, as illustrated | |

| | |
|---|-------|
| Price, Complete, as described, without Tank | 58.00 |
| If Vertical Tank is used, deduct for Iron Tank Supports | 3.25 |

WATER SUPPLY SYSTEMS



Fig. H-1164

The above water supply system is operated by power, using a vertical double-acting power pump with an independent air compressor. For deep or shallow wells; for shallow wells the pump contains a brass-lined cylinder in the body and for deep wells a separate cylinder is used.

The outfit consists of the following equipment:

- | | |
|---|---|
| 2—Wrought Iron Tank Supports | 1—1-inch Brass Gate Valve |
| 1—5-inch Pressure Gauge | 1—1-inch Brass Check Valve |
| 1—Water Gauge with Glass | 1—1-inch Brass Stop and Waste |
| 1— $\frac{1}{2}$ -inch Finished Brass Hose Bibb | 1—Hydro-Pneumatic Pump for Shallow Well, as shown |
| 1—Lot Pipe and Fittings, as illustrated. | |

| | |
|--|-------|
| Price, Complete, as described, without Tank | 60.00 |
| “ “ “ for Deep Wells, Pump tapped for 3-inch Pipe, Bushed to $1\frac{1}{2}$ -inch, 3x14-inch Brass Body Cylinder, without Pipe and Rod | 69.00 |
| If Vertical Tank is used, deduct for Tank Supports | 3.25 |

WATER SUPPLY SYSTEMS

WITH HAND AND POWER PUMP

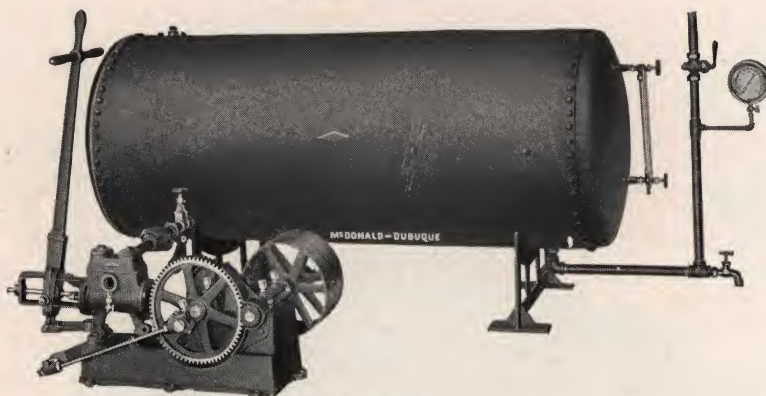


Fig. H-1165

WITH GASOLINE ENGINE

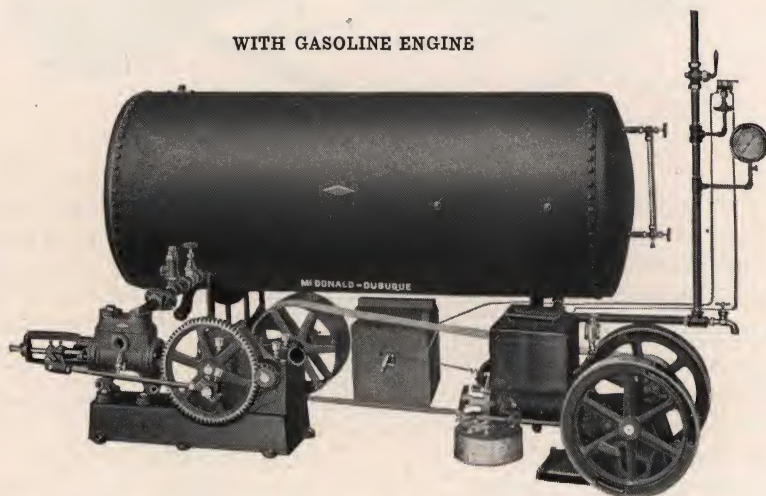


Fig. H-1166

The illustrations above show two typical outfits for hand and power.

On account of the varying conditions under which water systems are to be installed we have not given list prices. We shall be pleased to furnish estimates and full information on complete outfits upon receipt of inquiry.

WATER SUPPLY SYSTEMS

WITH ELECTRIC MOTOR



Fig. H-1167

WITH GASOLINE ENGINE AND DEEP WELL PUMP

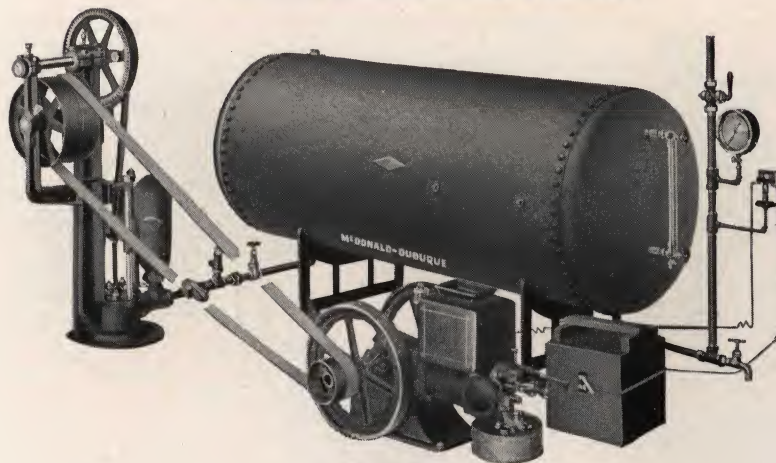


Fig. H-1168

The above illustrations show typical outfits. We solicit your inquiries and will be pleased to quote prices and furnish full information upon request.

WATER SUPPLY SYSTEMS

WITH ELECTRIC MOTOR AND DEEP WELL PUMP

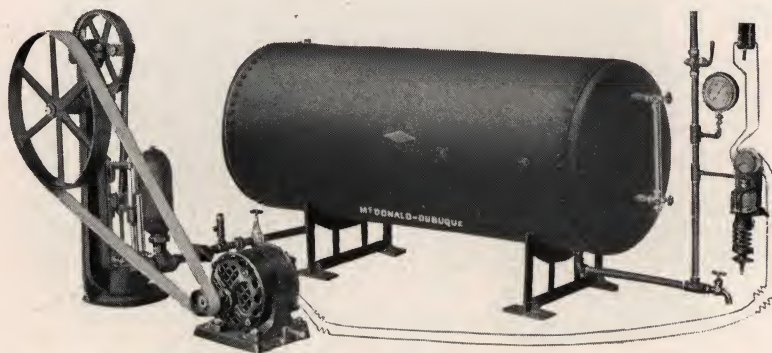


Fig. H-1169

WITH DIRECT-CONNECTED MOTOR AND DEEP WELL PUMP

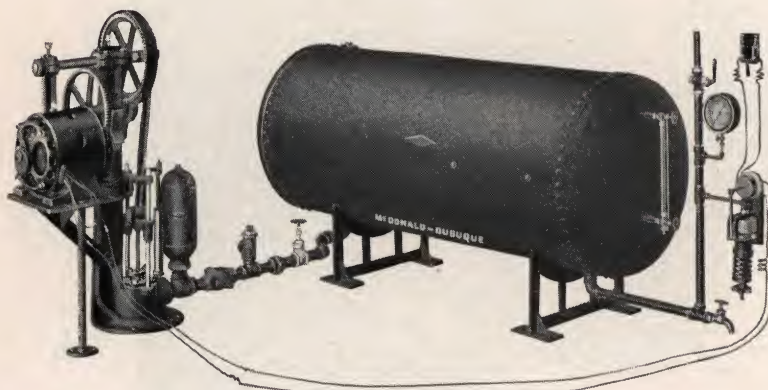


Fig. H-1170

We are prepared to furnish any style of motor-driven outfit to suit any condition.
Full information and prices submitted upon request.

WATER SUPPLY SYSTEMS

WITH HYDRO-PNEUMATIC PUMP FOR HAND USE

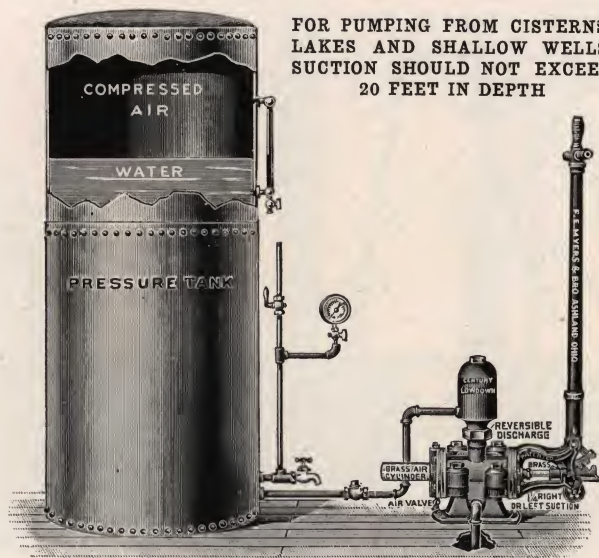


Fig. H-1171

There is a great demand for pneumatic water supply systems for the town, farm and lake residence. These outfits can be installed at a small cost and will give modern water works conveniences in any building and also give a reliable fire protection. The system is simple in operation and dependable under all circumstances, and will deliver the water to any reasonable elevation.

Outfit No. 1171A For small suburban residence. Consists of 30-inch x 6-foot vertical or horizontal pneumatic tank, Myers No. R-286A Hydro-Pneumatic Pump with air attachment; water gauge, 0—100 pounds pressure gauge, 1-inch horizontal swing check, 1-inch brass gate valve, $\frac{3}{4}$ -inch brass loose handle check and waste, and $\frac{1}{2}$ -inch compression hose bibb for $\frac{3}{4}$ -inch hose (no wrought pipe or fittings included). Price, complete, as described, 90.00.

Outfit No. 1171B For large suburban or country home having one or more bath rooms, etc., and a small amount of sprinkling. Consists of 30-inch x 10-foot horizontal pneumatic tank, Myers No. R-286A Hydro-Pneumatic Pump with air attachment; water gauge, 0—100 pounds pressure gauge, 1-inch horizontal swing check, 1-inch brass gate valve, 1-inch brass loose handle check and waste, and $\frac{3}{4}$ -inch compression hose bibb (no wrought pipe or fittings included). Price, complete, as described, 120.00.

Outfit No. 1171C For a large city or suburban house and also for plants where it is not desirable to pump as often as is necessary with the smaller size outfits. Consists of 36-inch x 12-foot horizontal pneumatic tank, Myers No. R-286A Hydro-Pneumatic Pump with air attachment; water gauge, 0—100 pounds pressure gauge, 1¼-inch horizontal swing check, 1¼-inch brass gate valve, 1-inch brass loose handle check and waste, and ¾-inch compression hose bibb (no wrought pipe or fittings included.) Price, complete, as described, 150.00.

NOTE.—Place gate valve between check valve and tank.

WATER SUPPLY SYSTEMS

REGULATOR PUMP INSTALLATION

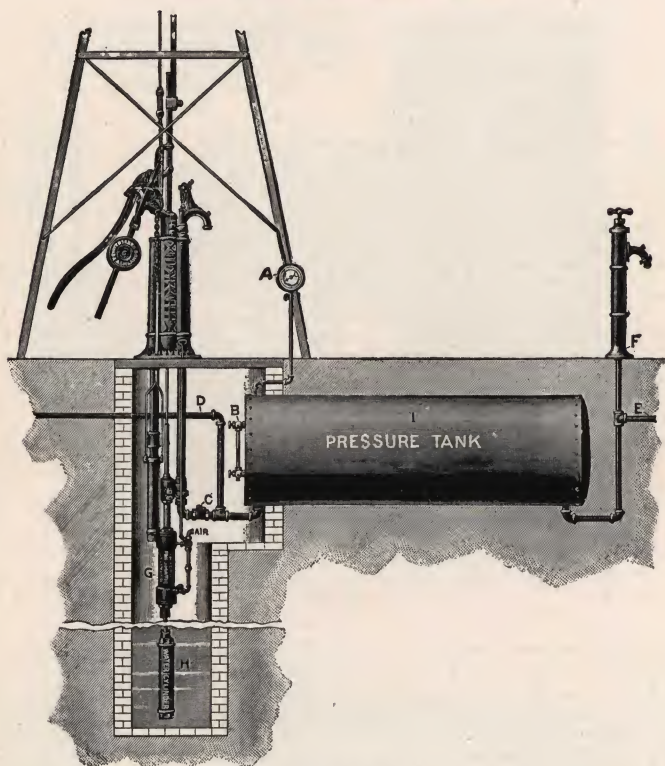


Fig. H-1172

The above illustrates the manner in which the regulator pump and hydro-pneumatic cylinder can be attached to a pressure tank for the purpose of installing a private waterworks system.

The water can be carried to the house, barn, hog yard, chicken yard, etc., the compressed air in the tank forcing the water to these delivery points.

A—Pressure Gauge indicating pressure in pounds in the tank.

B—Water Gauge, showing amount of water in tank.

C—Check Valve, removing pressure and strain from pump.

D—Delivery Pipe to Barn, etc.

E—Delivery Pipe to House.

F—Delivery Pipe to Yard Hydrant.

G—Hydro-Pneumatic Cylinder.

H—Water Cylinder used in connection with regular pump.

Full information giving details of installment, etc., and prices on complete outfits sent on application.

HYDRO-PNEUMATIC CYLINDERS

BRASS-LINED



Fig. H-1173

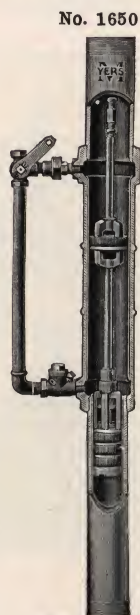


Fig. H-1174

SECTIONAL VIEW

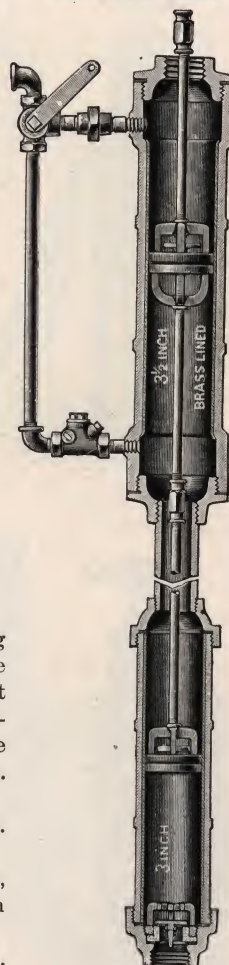


Fig. H-1175

For use in connection with any force pump head for forcing air into pneumatic pressure tanks through the regular discharge pipe. When the pump is not required to pump air it can be shut off by means of a lever extending to the base. The lever is lowered when air is to be pumped and raised when the air is to be cut out. In operating this cylinder, pump must have full stroke. A short jerky stroke will not supply air.

No. 1539 has 12-inch stroke and is for open or tubular wells. No. 1269 has 20-inch stroke and is for tubular wells.

No. 1539. 2½-inch, to be used with 2-inch pumping cylinder, tapped for 2½-inch pipe at top and 2-inch pipe, at bottom, both ends bushed to 1¼ inches. Price, each, 11.00.

No. 1539. 3-inch, to be used with 2½-inch pumping cylinder, tapped for 3-inch pipe at top and 2½-inch pipe at bottom, both ends bushed to 1¼ inches. Price, each, 12.00.

No. 1539. 3½-inch, to be used with 3-inch pumping cylinder, tapped for 3½-inch pipe at top and 3-inch pipe at bottom, both ends bushed to 1½ inches. Price, each, 14.00.

No. 1650 3-inch, 20-inch stroke to be used with 2½-inch pumping cylinder, tapped for 3-inch pipe top and bottom. Price, each, 18.00.

No. 1650 3½-inch, 20-inch stroke to be used with 3-inch pumping cylinder, tapped for 3½-inch pipe top and bottom. Price, each, 20.00.

WATER SUPPLY SYSTEMS

TANK TRIMMINGS, ETC.

**"NEW LIGHTNING"
AIR PUMP**Fig. H-1176
RELIEF VALVEFig. H-1179
WATER GAUGE

Fig. H-1181

While it is not absolutely necessary to supply these Tanks with an additional amount of air pressure by means of an air pump, it is advisable to do so, as better results will be obtained.

The "New Lightning" Pump has $3\frac{1}{4}$ -inch cylinder, $5\frac{1}{2}$ -inch stroke, and discharge for $\frac{3}{16}$ -inch hose.

The Double Cylinder Pump has 3-inch brass body cylinders and steel ball valves with brass seats

| | | |
|---|------|-------|
| Price, "New Lightning" | each | 10.00 |
| " Double Cylinder, Brass Cylinder | " | 15.00 |
| " " " N. P. " | " | 17.00 |

CHECK VALVE

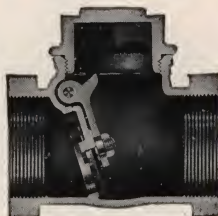


Fig. H-1177

The necessary trimmings for the proper installation of the pressure tank are water gauge, pressure gauge, relief valve and check valve.

Horizontal tanks are tapped for $\frac{1}{2}$ -inch water gauge connections in concave head.

The Pressure Gauge connection should not be made into the shell of the tank, but into the service connection from it by means of a "tee."

The Relief Valve should be placed on discharge pipe on a system where a windmill or gasoline engine is used for pumping, and should be set to relieve at 70 pounds.

The Check Valve is placed between pump and tank. A gate or globe valve should also be placed between the check valve and tank, so that tank can be shut off if it becomes necessary to repair check valve, or for any other reason.

Check Valves may be furnished with leather disc if desired at special price.

| | | |
|--|------|-------|
| Price, Water Gauge complete with $\frac{5}{8}$ -inch Glass and Guard | each | 4.00 |
| " Pressure Gauge | " | 5.00 |
| " 1-inch Pressure Relief Valve | " | 12.50 |
| " 1-inch Swing Check Valve | " | 3.50 |
| " $1\frac{1}{4}$ -inch " " " | " | 4.25 |
| " $1\frac{1}{2}$ -inch " " " | " | 5.50 |

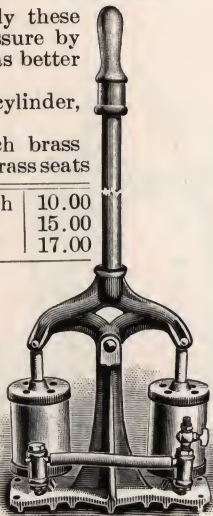
**DOUBLE CYLINDER
AIR PUMP**

Fig. H-1178

PRESSURE GAUGE



Fig. H-1180

HYDRO-PNEUMATIC PUMPS

COMBINATION HAND AND POWER PUMPS

No. 377A

FOR CISTERNS OR SHALLOW WELLS, SUCTION SHOULD NOT EXCEED 20 FEET IN DEPTH

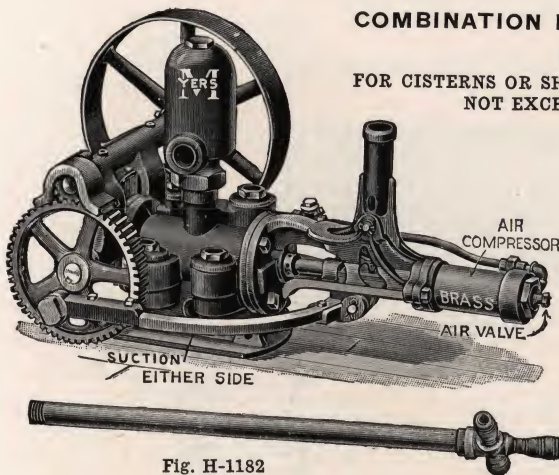


Fig. H-1182

With air compressors for pressure tank work.

Brass-lined cylinder 3x5 inches, double-acting, machine cut gears, brass covered rod, tapped 1 1/4 inches. Admission of air easily regulated to suit conditions.

Price with 14-inch belt pulley, 40.00.

VERTICAL POWER PUMPS

No. 378A

FOR SHALLOW WELLS OR CISTERNS

14-inch tight and loose pulleys, machine cut gears, back-geared 5 to 1, brass-lined cylinder with glass valve seat, double-acting; discharge, 1 1/4 inches; 5-inch stroke; capacity, 360 gallons per hour at 40 strokes per minute. Air compressor is embodied in head and is easily regulated to suit conditions.

Price, each, 42.00.

No. 379A

FOR DEEP WELLS

Same as No. 378A, except that it is fitted with a different base and is provided with a separate lower cylinder to be placed down within suction distance of the water. Base tapped 3 inches and bushed to 1 1/2 inches. Discharge, 1 1/4 inches. Provided with air compressor in head.

Price, with 3x14-inch brass body cylinder, each, 48.00. Pipe and rod not included.

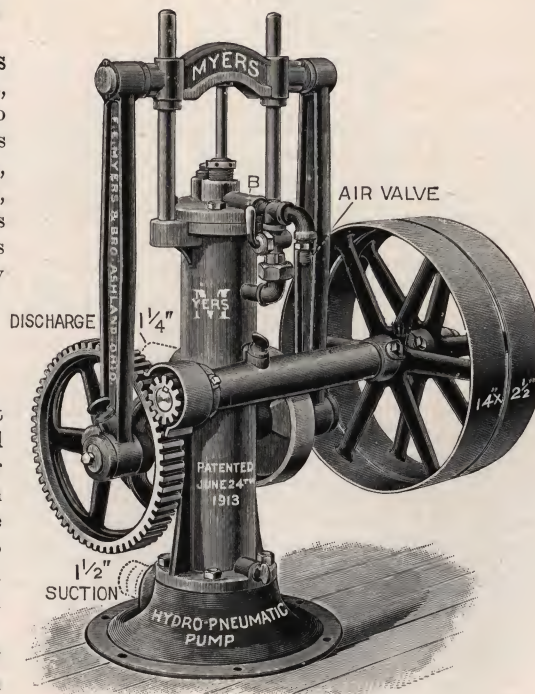


Fig. H-1183

MYERS LOW DOWN FORCE PUMPS

CENTURY DOUBLE-ACTING
LOW DOWN FORCE PUMP
No. R-286



Fig. H-1184

HYDRO-PNEUMATIC
DOUBLE-ACTING
CENTURY LOW DOWN
FORCE PUMP, No. R-286A



Fig. H-1185

No. R-286 Century Low Down Double-Acting Force Pump has cog gear. Fitted with 3-inch cylinder, 5-inch stroke, and equipped with brass valve seats, rubber faced valves and brass covered piston rod. The pump is fitted with ratchet or cog gear handle, by means of which the power is applied direct to the piston rod without a vibrating movement. The piston rod is carried direct on a roller bearing which reduces friction to a minimum.

No. R-286A Hydro-Pneumatic Double-Acting Century Low Down Force Pump has ratchet head and brass-lined cylinder. Fitted with brass-lined cylinder, brass valve seats and rubber face valves, each valve located under an individual cap, and can be removed without disturbing any of the other parts; has brass covered piston rod with heavy brass stuffing nut. Suction attached to either side. Discharge set at any angle, air chamber attached to pumps by union nuts. Forcing the air into tank through the discharge line with the water aerates the water in the tank, keeping it pure and sweet. The pump is fitted with a 2½-inch cast brass air compressing cylinder, which is bolted immediately underneath the handle bracket. It is so arranged that the natural movement of the pump handle operates the air compressor. When air is not required, by removing the pin that connects the piston rod to the air compressor, this part is detached entirely from the pump. The advantage is that the air pump is at rest when not required for the actual pumping of air, thus saving the wear on this particular part. The air is discharged from the compressor into the pump above the discharge water valves and directly into the water line, thus doing away with all the objectionable features of other pumps, such as air locking and the leaking of water on to the floor, etc. We recommend this pump as being strictly first-class in every respect.

| | |
|--|-------|
| Price, No. R-286, with Cog Gear Handle, 3-inch Brass-Lined Cylinder.....each | 15.00 |
| “ “ R-286A, 3-inch Brass-Lined Cylinder, Suction and Discharge, “ | 18.00 |
| Tapped for 1¼-inch Pipe..... | |

PNEUMATIC TANKS AND AIR RECEIVERS

PNEUMATIC TANKS

DOUBLE RIVETED, AIR-TIGHT



Fig. H-1186

| Diam. Inches | Length Feet | THICKNESS INCHES | | Weight Pounds | Capacity Gallons | Price Each | Diam. Inches | Length Feet | THICKNESS INCHES | | Weight Pounds | Capacity Gallons | Price Each |
|-----------------|----------------|---------------------|-------|------------------|---------------------|---------------|-----------------|----------------|---------------------|-------|------------------|---------------------|---------------|
| | | Shell | Heads | | | | | | Shell | Heads | | | |
| 24 | 5 | 3/16 | 5/16 | 425 | 120 | 55.00 | 36 | 10 | 3/16 | 5/16 | 1050 | 525 | 131.00 |
| 24 | 6 | 3/16 | 5/16 | 445 | 145 | 58.00 | 36 | 12 | 3/16 | 5/16 | 1200 | 630 | 141.00 |
| 24 | 7 | 3/16 | 5/16 | 510 | 170 | 63.00 | 36 | 14 | 3/16 | 5/16 | 1400 | 735 | 148.00 |
| 24 | 8 | 3/16 | 5/16 | 560 | 195 | 68.00 | 42 | 8 | 1/4 | 3/8 | 1450 | 575 | 135.00 |
| 24 | 10 | 3/16 | 5/16 | 675 | 245 | 74.00 | 42 | 10 | 1/4 | 3/8 | 1650 | 720 | 150.00 |
| 30 | 5 | 3/16 | 5/16 | 495 | 180 | 64.00 | 42 | 12 | 1/4 | 3/8 | 1900 | 865 | 196.00 |
| 30 | 6 | 3/16 | 5/16 | 560 | 220 | 70.00 | 42 | 14 | 1/4 | 3/8 | 2200 | 1000 | 219.00 |
| 30 | 7 | 3/16 | 5/16 | 625 | 255 | 75.00 | 42 | 16 | 1/4 | 3/8 | 2400 | 1150 | 236.00 |
| 30 | 8 | 3/16 | 5/16 | 700 | 295 | 88.00 | 48 | 12 | 1/4 | 3/8 | 2320 | 1130 | 250.00 |
| 30 | 10 | 3/16 | 5/16 | 870 | 365 | 102.00 | 48 | 14 | 1/4 | 3/8 | 2610 | 1300 | 274.00 |
| 30 | 12 | 3/16 | 5/16 | 900 | 440 | 115.00 | 48 | 16 | 1/4 | 3/8 | 2900 | 1500 | 304.00 |
| 36 | 5 | 3/16 | 5/16 | 675 | 265 | 85.00 | 48 | 18 | 1/4 | 3/8 | 3600 | 1700 | 351.00 |
| 36 | 6 | 3/16 | 5/16 | 750 | 315 | 92.00 | 48 | 20 | 1/4 | 3/8 | 3950 | 1880 | 393.00 |
| 36 | 7 | 3/16 | 5/16 | 825 | 365 | 102.00 | 48 | 24 | 1/4 | 3/8 | 4650 | 2260 | 437.00 |
| 36 | 8 | 3/16 | 5/16 | 900 | 420 | 112.00 | .. | .. | .. | .. | .... | .... | ..... |

AIR RECEIVERS FOR GARAGES

DOUBLE RIVETED

Tested at 200 pounds pressure. Working pressure, 125 pounds.



Fig. H-1187

| Diameter Inches | Length Feet | Approximate Weight Pounds | Price Each |
|--------------------|----------------|---------------------------------|---------------|
| 24 | 5 | 425 | 55.00 |
| 24 | 6 | 445 | 58.00 |
| 30 | 5 | 495 | 64.00 |
| 30 | 6 | 575 | 70.00 |
| 36 | 5 | 725 | 85.00 |
| 36 | 6 | 850 | 92.00 |

HARTLEY BRACKET PUMPS

No. 451



Fig. H-1188

INSTALLATION OF No. 451

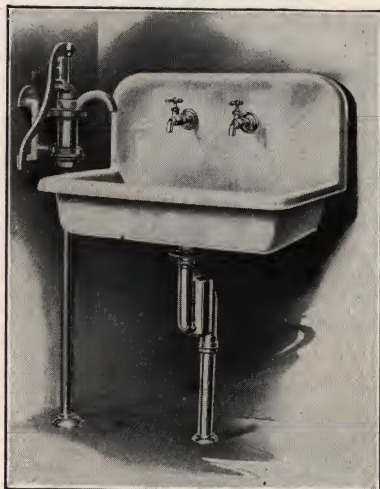


Fig. H-1190

No. 454

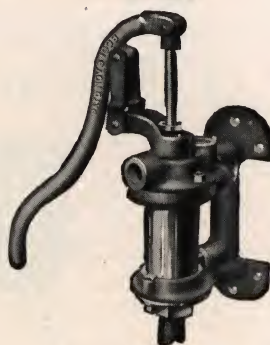


Fig. H-1189

INSTALLATION OF No. 454



Fig. H-1191

No. 451 can be installed on either end or side of sink. Spout and handle can be set at any angle, irrespective to each other or the barrel. Requires no base. Is always clean and sanitary, drained by lifting handle.

Has polished brass barrel, solid brass rod, brass stuffing box, brass valve seats; all bolts fitted with brass nuts. Spout threaded to fit $\frac{3}{4}$ -inch garden hose; suction tapped $1\frac{1}{4}$ inches; $2\frac{1}{2}$ -inch barrel; 4-inch stroke.

No. 454 has all the adjustable features of No. 451. The difference is in the head. Has no spout and is designed to have a bibcock attached. Also tapped on top for 1-inch pipe, so water can be forced to an upper story. Suitable where city pressure does not carry water to upper floors. When pressure is sufficient, water flows through pump without operating. Bibcock furnished at extra cost.

| | | |
|----------------------|------|------|
| Price, No. 451 | each | 8.00 |
| " " 454 | " | 8.00 |

PUMP BRACKETS, ETC. **"SANITARY" SINK FRAME AND PUMP SUPPORT**

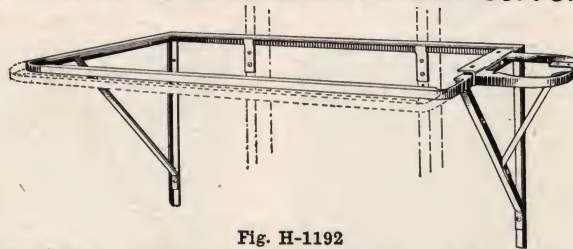


Fig. H-1192

The "Sanitary" Frame is fastened to the wall by adjustable clips that are securely fastened to the studding, and the sink is placed in the frame and held fast by the adjustment of it. The frame is made to accommodate sinks from 24 to 48 inches in length and from 16 to 20 inches in width. It has notches in the back to allow water pipes to be placed between the frame and the sink. It can be used with or without sink backs. The frame can be used with or without the pump support, but the pump support can be sold only with the frame.

| | | |
|--|-----------|-------|
| Price, No. 1, 24 inches Long, Holds 16x24 or 18x24-inch Sink..... | per dozen | 13.50 |
| " " 2, 30 " " " 16x24-inch Sink or 18x24-inch Sink | " | 13.50 |
| " " and Pump | " | 13.50 |
| " No. 3, 30 inches Long, Holds 18x30 or 20x30-inch Sink..... | " | 13.50 |
| " " 4, 36 " " " 18x30 " 20x30 " " and Pump, | " | 13.50 |
| " or 18x36 or 20x36-inch Sink | " | 13.50 |
| " No. 5, 42 inches Long, Holds 18x42 or 20x42-inch Sink or 18x36-inch Sink and Pump, or 18x30 or 20x30-inch Sink and Two Pumps | " | 15.00 |
| " No. 6, 48 inches Long, Holds 18x48 or 20x48-inch Sink or 18x42 or 20x42-inch Sink and Pump, or 18x36 or 20x36-inch Sink and Two Pumps..... | " | ..... |
| " Pump Support, extra..... | " | 6.00 |

PITCHER SPOUT PUMP BRACKET **FOR KITCHEN SINKS**

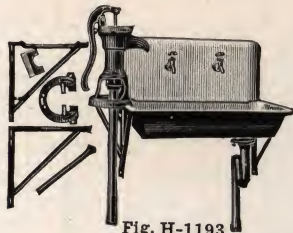


Fig. H-1193

BARNES PUMP SHELF AND BRACKET, No. 930



Fig. H-1194

PITCHER SPOUT PUMP BRACKETS

This bracket is designed to fasten onto the rim of flat and roll rim sinks.

| | | |
|-----------------------|-----------|-------|
| Price, Painted..... | per dozen | 18.00 |
| " Galvanized..... | " | 24.00 |
| " White Enameled..... | " | 36.00 |

No. 930 PUMP SHELF AND BRACKET—(Patented)

Designed for attaching to flat or roll rim sinks for supporting a pump. Can be placed on either side and adjusted to any desired level. It has a bead around the outer and inner edges so all waste water will drain into the sink. The numerous holes and slots in the shelf make it suitable for fitting different makes of pumps.

| | | |
|--------------------------------|-----------|-------|
| Price, Painted or Bronzed..... | per dozen | 20.00 |
| " White Enameled..... | " | 30.00 |

STANDARD STEEL TANKS

Adopted March 14, 1911. Effective May 1, 1911

STORAGE TANK

Fig. H-1195

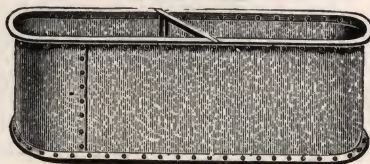
ROUND END

Fig. H-1196

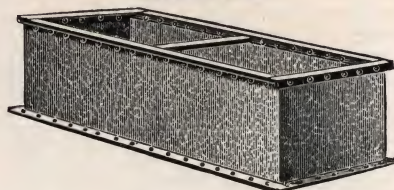
SQUARE END

Fig. H-1197

STORAGE TANKS

| List No. | Diam. Feet | Height Feet | Capacity Gallons | Price Each | List No. | Diam. Feet | Height Feet | Capacity Gallons | Price Each |
|----------|------------|-------------|------------------|------------|----------|------------|-------------|------------------|------------|
| 50 | 6 | 6 | 1200 | 40.00 | 54 | 8 | 8 | 2854 | 72.00 |
| 51 | 6 | 8 | 1600 | 49.00 | 55 | 8 | 10 | 3592 | 81.00 |
| 52 | 8 | 5 | 1800 | 50.00 | 56 | 10 | 8 | 4580 | 95.00 |
| 53 | 8 | 6 | 2133 | 56.00 | 57 | 10 | 10 | 5680 | 110.00 |

ROUND END TANKS

| No. | Width Feet | Height Feet | Length Feet | Capacity Gallons | Price Each | No. | Width Feet | Height Feet | Length Feet | Capacity Gallons | Price Each |
|-----|------------|-------------|-------------|------------------|------------|-----|------------|-------------|-------------|------------------|------------|
| 101 | 2 | 2 | 4 | 91 | 9.00 | 109 | 2½ | 2 | 10 | 312 | 19.00 |
| 102 | 2 | 2 | 5 | 117 | 10.50 | 111 | 3 | 2 | 8 | 295 | 17.00 |
| 103 | 2 | 2 | 6 | 144 | 11.50 | 112 | 3 | 2 | 10 | 384 | 19.50 |
| 104 | 2 | 2 | 7 | 170 | 13.00 | 116 | 4 | 2 | 8 | 386 | 18.50 |
| 105 | 2 | 2 | 8 | 197 | 14.25 | 117 | 4 | 2 | 10 | 496 | 23.00 |
| 106 | 2 | 2 | 10 | 250 | 18.00 | 118 | 4 | 2 | 12 | 606 | 29.00 |
| 107 | 2 | 2½ | 8 | 246 | 15.00 | 120 | 4 | 2 | 16 | 826 | 37.50 |
| L | 2½ | 2 | 5 | 145 | 12.00 | 127 | 5 | 2 | 16 | 1072 | 40.00 |
| M | 2½ | 2 | 6 | 178 | 13.00 | 129 | 6 | 2 | 8 | 550 | 27.50 |
| N | 3 | 2 | 6 | 213 | 15.00 | 130 | 6 | 2 | 10 | 813 | 30.50 |
| 108 | 2½ | 2 | 8 | 245 | 16.00 | 131 | 6 | 2 | 16 | 1218 | 45.00 |

SQUARE END TANKS

| | | | | | | | | | | | |
|-----|----|---|---|-----|-------|-------|-------|-------|-------|-------|-------|
| 201 | 2 | 2 | 4 | 101 | 9.50 | 211 | 3 | 2 | 8 | 318 | 18.75 |
| 202 | 2 | 2 | 5 | 126 | 10.75 | 212 | 3 | 2 | 10 | 397 | 22.00 |
| 203 | 2 | 2 | 6 | 152 | 11.75 | 216 | 4 | 2 | 8 | 424 | 23.00 |
| 205 | 2 | 2 | 8 | 202 | 16.00 | 217 | 4 | 2 | 10 | 530 | 25.00 |
| 208 | 2½ | 2 | 8 | 262 | 17.50 | ..... | ..... | ..... | ..... | ..... | ..... |

ANDREWS SANITARY STEEL SEPTIC TANK SYSTEM FOR SEWAGE DISPOSAL WITHOUT SEWER



Fig. H-1198

The modern advancement of nearly all features relating to modernizing the home in districts where city improvements are not complete, has reached a high mark, but there is one line which for some reason has been much neglected. It, too, is one which is vital. Upon it depends the health of communities. The disposal of sewage is a problem which is now attracting the attention of sanitary engineers and suburban home owners, and out of the consideration they are giving it, will develop a firm determination to avoid cesspools and outhouses wherever possible. Sewage is composed largely of organic matter which becomes putrid when contained in vaults which do not permit of proper bacterial action.

Cesspools and outhouses are exceedingly unsanitary. It is never known just how long a cesspool will last and it is not always easy to have it cleaned just the moment it is filled. When it is necessary to clean one in the winter the expense is about as great as the cesspool's first cost. Then there is the danger of contamination of water supply and the possibility of causing typhoid. In this the outhouse is as dangerous, if not more so, as the cesspool, for the latter is more frequently used in districts in which the water supply is not from wells. An outhouse needs very frequent cleaning, is never odorless and is very unsightly.

The Andrews Steel Septic Tank is the cheapest method of sewage disposal which can be depended upon to give genuine satisfaction. It is all in one piece, is comparatively light and easy to handle, is scientifically proportioned so as to perform its work perfectly and will last as long as your house. Nothing to get out of order.

CONSTRUCTION.—This system consists of a steel septic tank and a filter bed over which the tank discharges through drain pipes its contents which have been previously made odorless and harmless. The tank is sufficiently large to take care of the sewage for a house of eight people. It is built of plate steel like large power boilers, and thoroughly tested in every manner before it is sent from our shop. It is provided with two compartments, the intake being provided with special fittings so that the soil pipe for the house drain can be easily connected. The organic matter is changed into liquid which is then automatically syphoned out of the second compartment and delivered over the filter bed through the drain pipes. A vent pipe and cleanout openings are provided at both top and bottom.

OPERATION.—After the bacteria have begun their work in the tank, it is in full working trim and requires no more attention from the owner. Once a year or less it may be advisable to remove a few pails of sludge from the tank, but this is a small chore and requires only a few minutes time. It has been the case that even after a period of two years it was not found necessary to remove the sludge.

ANDREWS SANITARY STEEL SEPTIC TANK SYSTEM

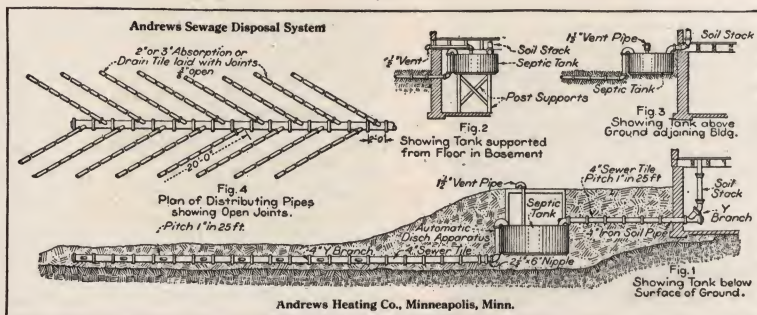


Fig. H-1199

ADAPTED TO ALL CONDITIONS.—The Andrews Septic Tank is set up in any one of three methods. For ordinary suburban homes where the lot is limited and there is no slope to the ground, the tank can be located either in the basement close to the underside of the joists, or outside of the house adjoining the basement wall, so that the discharge, in either case, will come far enough below the ground to conform with standard practice. If the land slopes away from the house, the tank can be located away from the house at some distance below the surface and a wooden or brick manhole built up to grade. The illustration above shows these methods of installation as well as showing the filter bed.

WASTES REDUCED TO ODORLESS AND HARMLESS LIQUIDS.—The method by which these wastes are reduced to a harmless liquid is as follows: The sewage consists of mineral and organic matter in which a large number of living organisms called bacteria are present, a large percentage of which are of a harmless nature and are essential agents in the removal of the organic matter and disease germs in the sewage. These bacteria start up an active fermentation process which results in the decomposition of the organic matter into harmless inorganic substance and liquid. A part of this decomposition takes place in the septic tank itself, while the action of the oxygen in the air and bacteria present in all soils when the liquids are spread out on the filter bed or disposal field, completes the final decomposition of the waste. Technically speaking, the bacterial action first takes place in the tank, due to anaerobes which work without oxygen; second, action is due to aerobes which require oxygen to do their work properly.

THE FILTER BED.—The tank is connected to the filter bed by 4-inch sewer tile with cemented joints. The piping in the bed proper is of "Y" fittings from which 3 or 4-inch porous drain tiles are laid with open joints and about 1 foot below the surface.

In cases where the soil is porous or of a sandy nature, there is no necessity of preparing a filter bed. In case the soil is more or less hard and unsuitable for drain work, three or four times the quantity of drain tile may be used so as to spread the discharge over a larger surface, or a special filter bed surface may be prepared of sand and gravel.

MATERIAL FURNISHED.—Steel septic tank with special intake fitting for 4-inch soil pipe and syphon connection, with special instructions and blue prints for erecting. Septic tanks built in three sizes with listed capacities based on general home use. Double the capacities given when used intermittently, as in case of public building, schools, etc.

| Size Number | Capacity People | Diameter Inches | Weight Pounds | Price Each |
|-------------|-----------------|-----------------|---------------|------------|
| 12 | 6 to 12 | 53 | 800 | 94.00 |
| 30 | 25 " 30 | 72 | 1400 | 145.00 |
| 75 | 70 " 75 | 96 | 2400 | 275.00 |

STANDARD STEAM, GAS AND WATER PIPE

BLACK AND GALVANIZED



Fig. H-1200

As Adopted January 1, 1913

All Weights and Dimensions are Nominal

| Size Inches | Price per Foot | DIAMETER INCHES | | Thickness Inches | WEIGHT, PER FOOT POUNDS | | Number of Threads per Inch |
|----------------|-------------------|--------------------|----------|---------------------|----------------------------|-------------------------|----------------------------------|
| | | External | Internal | | Plain Ends | Threaded and Coupled | |
| 1/8 | .05 1/2 | .405 | .269 | .068 | .244 | .245 | 27 |
| 1/4 | .06 | .540 | .364 | .088 | .424 | .425 | 18 |
| 3/8 | .06 | .675 | .493 | .091 | .567 | .568 | 18 |
| 1/2 | .08 1/2 | .840 | .622 | .109 | .850 | .852 | 14 |
| 3/4 | .11 1/2 | 1.050 | .824 | .113 | 1.130 | 1.134 | 14 |
| 1 | .17 | 1.315 | 1.049 | .133 | 1.678 | 1.684 | 11 1/2 |
| 1 1/4 | .23 | 1.660 | 1.380 | .140 | 2.272 | 2.281 | 11 1/2 |
| 1 1/2 | .27 1/2 | 1.900 | 1.610 | .145 | 2.717 | 2.731 | 11 1/2 |
| 2 | .37 | 2.375 | 2.067 | .154 | 3.652 | 3.678 | 11 1/2 |
| 2 1/2 | .58 1/2 | 2.875 | 2.469 | .203 | 5.793 | 5.819 | 8 |
| 3 | .76 1/2 | 3.500 | 3.068 | .216 | 7.575 | 7.616 | 8 |
| 3 1/2 | .92 | 4. | 3.548 | .226 | 9.109 | 9.202 | 8 |
| 4 | 1.09 | 4.500 | 4.026 | .237 | 10.790 | 10.889 | 8 |
| 4 1/2 | 1.27 | 5. | 4.506 | .247 | 12.538 | 12.642 | 8 |
| 5 | 1.48 | 5.563 | 5.047 | .258 | 14.617 | 14.810 | 8 |
| 6 | 1.92 | 6.625 | 6.065 | .280 | 18.974 | 19.185 | 8 |
| 7 | 2.38 | 7.625 | 7.023 | .301 | 23.544 | 23.769 | 8 |
| 8 | 2.50 | 8.625 | 8.071 | .277 | 24.696 | 25. | 8 |
| 8 | 2.88 | 8.625 | 7.981 | .322 | 28.554 | 28.809 | 8 |
| 9 | 3.45 | 9.625 | 8.941 | .342 | 33.907 | 34.188 | 8 |
| 10 | 3.20 | 10.750 | 10.192 | .279 | 31.201 | 32. | 8 |
| 10 | 3.50 | 10.750 | 10.136 | .307 | 34.240 | 35. | 8 |
| 10 | 4.12 | 10.750 | 10.020 | .365 | 40.483 | 41.132 | 8 |
| 11 | 4.63 | 11.750 | 11. | .375 | 45.557 | 46.247 | 8 |
| 12 | 4.50 | 12.750 | 12.090 | .330 | 43.773 | 45. | 8 |
| 12 | 5.07 | 12.750 | 12. | .375 | 49.562 | 50.706 | 8 |
| 13 | 5.60 | 14. | 13.250 | .375 | 54.568 | 55.824 | 8 |
| 14 | 6.10 | 15. | 14.250 | .375 | 58.573 | 60.375 | 8 |
| 15 | 6.50 | 16. | 15.250 | .375 | 62.579 | 64.500 | 8 |

The permissible variation in weight is 5 per cent above and 5 per cent below.

Furnished with threads and coupling and in random lengths, unless otherwise ordered.

For cut lengths, an extra charge will be made above random lengths.

For pipe smoothed on the inside, known as reamed and drifted, an extra charge will be made above standard pipe.

For galvanized or coated pipe, an extra charge will be made above black.

STEAM, GAS AND WATER PIPE

BLACK AND GALVANIZED

All Weights and Dimensions are Nominal

Adopted January 1, 1913

EXTRA STRONG

| Size Inches | Price per Foot | DIAMETER, INCHES | | Thickness Inches | Weight, per Foot Plain Ends Pounds |
|----------------|-------------------|------------------|----------|---------------------|--|
| | | External | Internal | | |
| $\frac{1}{8}$ | .12 | .405 | .215 | .095 | .314 |
| $\frac{1}{4}$ | .07 $\frac{1}{2}$ | .540 | .302 | .119 | .535 |
| $\frac{3}{8}$ | .07 $\frac{1}{2}$ | .675 | .423 | .126 | .738 |
| $\frac{1}{2}$ | .11 | .840 | .546 | .147 | 1.087 |
| $\frac{3}{4}$ | .15 | 1.050 | .742 | .154 | 1.473 |
| 1 | .22 | 1.315 | .957 | .179 | 2.171 |
| $1\frac{1}{4}$ | .30 | 1.660 | 1.278 | .191 | 2.996 |
| $1\frac{1}{2}$ | .36 $\frac{1}{2}$ | 1.900 | 1.500 | .200 | 3.631 |
| 2 | .50 $\frac{1}{2}$ | 2.375 | 1.939 | .218 | 5.022 |
| $2\frac{1}{2}$ | .77 | 2.875 | 2.323 | .276 | 7.661 |
| 3 | 1.03 | 3.500 | 2.900 | .300 | 10.252 |
| $3\frac{1}{2}$ | 1.25 | 4. | 3.364 | .318 | 12.505 |
| 4 | 1.50 | 4.500 | 3.826 | .337 | 14.983 |
| $4\frac{1}{2}$ | 1.80 | 5. | 4.290 | .355 | 17.611 |
| 5 | 2.08 | 5.563 | 4.813 | .375 | 20.778 |
| 6 | 2.86 | 6.625 | 5.761 | .432 | 28.573 |
| 7 | 3.81 | 7.625 | 6.625 | .500 | 38.048 |
| 8 | 4.34 | 8.625 | 7.625 | .500 | 43.388 |
| 9 | 4.90 | 9.625 | 8.625 | .500 | 48.728 |
| 10 | 5.48 | 10.750 | 9.750 | .500 | 54.735 |
| 11 | 6.10 | 11.750 | 10.750 | .500 | 60.075 |
| 12 | 6.55 | 12.750 | 11.750 | .500 | 65.415 |

The permissible variation in weight is 5 per cent above and 5 per cent below.

DOUBLE EXTRA STRONG

| Size Inches | Price per Foot | DIAMETER, INCHES | | Thickness Inches | Weight, per Foot Plain Ends Pounds |
|----------------|-------------------|------------------|----------|---------------------|--|
| | | External | Internal | | |
| $\frac{1}{2}$ | .32 | .840 | .252 | .294 | 1.714 |
| $\frac{3}{4}$ | .35 | 1.050 | .434 | .308 | 2.440 |
| 1 | .37 | 1.315 | .599 | .358 | 3.659 |
| $1\frac{1}{4}$ | .52 $\frac{1}{2}$ | 1.660 | .896 | .382 | 5.214 |
| $1\frac{1}{2}$ | .65 | 1.900 | 1.100 | .400 | 6.408 |
| 2 | .91 | 2.375 | 1.503 | .436 | 9.029 |
| $2\frac{1}{2}$ | 1.37 | 2.875 | 1.771 | .552 | 13.695 |
| 3 | 1.86 | 3.500 | 2.300 | .600 | 18.583 |
| $3\frac{1}{2}$ | 2.30 | 4. | 2.728 | .636 | 22.850 |
| 4 | 2.76 | 4.500 | 3.152 | .674 | 27.541 |
| $4\frac{1}{2}$ | 3.26 | 5. | 3.580 | .710 | 32.530 |
| 5 | 3.86 | 5.563 | 4.063 | .750 | 38.552 |
| 6 | 5.32 | 6.625 | 4.897 | .864 | 53.160 |
| 7 | 6.35 | 7.625 | 5.875 | .875 | 63.079 |
| 8 | 7.25 | 8.625 | 6.875 | .875 | 72.424 |

The permissible variation in weight is 10 per cent above and 10 per cent below.

The following notes apply to both tables:

Furnished with plain ends and in random lengths, unless otherwise ordered.

Random length of extra strong and double extra strong pipe is considered to be 12 feet to 22 feet, we to have the privilege, however, of supplying not exceeding 5 per cent of total order in lengths from 6 to 12 feet.

For pipe fitted with threads and couplings; for cut lengths, or galvanized or coated pipe, an extra charge will be made.

NIPPLES

SHORT NIPPLE



Fig. H-1201

SHOULDER NIPPLE



Fig. H-1202

BLACK RIGHT-HAND NIPPLES

| LENGTH, INCHES | | | | | | PRICE EACH | | PRICE, EXTRA LONG NIPPLES, EACH | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|--------------|----------------|---------------------------------|----------------|-----|------|------|-------|-------|-------|-------|-------|--|
| Close | Short | Long | | | | Size, Inches | Close or Short | Long | LENGTH, INCHES | | | | | | | | | |
| | | | | | | | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 3/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 1/8 | .04 | .06 | .07 | .08 | .10 | .12 | .14 | .15 | .17 | .18 | .19 | |
| 7/8 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 1/4 | .04 | .06 | .07 | .08 | .10 | .12 | .14 | .15 | .17 | .18 | .19 | |
| 1 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 3/8 | .04 | .06 | .07 | .08 | .10 | .12 | .14 | .15 | .17 | .18 | .19 | |
| 1 1/8 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 1/2 | .05 | .07 | .08 | .10 | .12 | .14 | .16 | .18 | .20 | .22 | .23 | |
| 1 3/8 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 3/4 | .06 | .09 | ... | .11 | .13 | .17 | .18 | .20 | .22 | .24 | .26 | |
| 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 1 | .08 | .13 | ... | .15 | .18 | .23 | .25 | .28 | .31 | .34 | .36 | |
| 1 5/8 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 1 1/4 | .11 | .17 | ... | .20 | .24 | .29 | .33 | .36 | .40 | .44 | .47 | |
| 1 3/4 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 1 1/2 | .13 | .20 | ... | .25 | .29 | .36 | .40 | .45 | .50 | .54 | .59 | |
| 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 2 | .18 | .27 | ... | .32 | .38 | .50 | .54 | .59 | .65 | .72 | .77 | |
| 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 2 1/2 | .39 | .59 | ... | ... | .68 | .90 | .97 | 1.06 | 1.17 | 1.26 | 1.35 | |
| 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 3 | .48 | .72 | ... | ... | .85 | 1.08 | 1.20 | 1.33 | 1.45 | 1.58 | 1.70 | |
| 2 3/4 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 3 1/2 | .75 | 1.05 | ... | ... | ... | 1.30 | 1.45 | 1.60 | 1.75 | 1.90 | 2.05 | |
| 3 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 4 | .85 | 1.20 | ... | ... | ... | 1.52 | 1.69 | 1.87 | 2.05 | 2.22 | 2.40 | |
| 3 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 4 1/2 | 1.25 | 1.70 | ... | ... | ... | 2.25 | 2.50 | 2.75 | 2.95 | 3.17 | 3.40 | |
| 3 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | 5 | 1.55 | 2.45 | ... | ... | ... | 2.58 | 2.83 | 3.10 | 3.35 | 3.60 | 3.85 | |
| 3 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | 6 | 1.85 | 2.90 | ... | ... | ... | 3.05 | 3.35 | 3.70 | 4.00 | 4.30 | 4.65 | |
| 3 1/2 | 5 | ... | ... | ... | ... | 7 | 3.20 | ... | ... | ... | 3.60 | 4.05 | 4.45 | 4.90 | 5.30 | 5.75 | 6.15 | |
| 3 1/2 | 5 | ... | ... | ... | ... | 8 | 3.55 | ... | ... | ... | 4.05 | 4.55 | 5.05 | 5.50 | 6.00 | 6.50 | 7.00 | |
| 4 | 5 | ... | ... | ... | ... | 9 | 5.25 | ... | ... | ... | ... | ... | 6.50 | 7.10 | 7.75 | 8.40 | 9.00 | |
| 4 | 5 | ... | ... | ... | ... | 10 | 6.75 | ... | ... | ... | ... | ... | 8.25 | 8.90 | 9.70 | 10.40 | 11.15 | |
| 4 | 5 | ... | ... | ... | ... | 12 | 8.00 | ... | ... | ... | ... | ... | 10.00 | 10.80 | 11.75 | 12.70 | 13.65 | |

Nipples made to order from extra heavy pipe at double above list. Nipples larger than 12 inches made to order and charged as cut pipe. Threads extra.

NIPPLES

BLACK RIGHT AND LEFT-HAND NIPPLES

| LENGTH, INCHES | | | | | | Size, Inches | PRICE, EA. | | PRICE, EXTRA LONG NIPPLES, EACH | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---------------------------------|------|------|------|------|------|------|------|------|--|
| Close | Short | Long | | | | | Close or Short | Long | LENGTH, INCHES | | | | | | | | | |
| | | | | | | | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| $\frac{3}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{8}$ | .05 | .08 | .09 | .11 | .13 | .16 | .18 | .20 | .23 | .25 | .27 | |
| $\frac{7}{8}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{4}$ | .05 | .08 | .09 | .11 | .13 | .16 | .18 | .20 | .23 | .25 | .27 | |
| 1 | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{3}{8}$ | .05 | .08 | .09 | .11 | .13 | .16 | .18 | .20 | .23 | .25 | .27 | |
| $1\frac{1}{8}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{2}$ | .07 | .10 | .11 | .13 | .16 | .18 | .21 | .24 | .27 | .29 | .31 | |
| $1\frac{1}{4}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $\frac{3}{4}$ | .08 | .12 | .... | .15 | .17 | .23 | .25 | .27 | .29 | .32 | .35 | |
| $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 1 | .11 | .18 | .... | .20 | .24 | .31 | .33 | .37 | .41 | .45 | .48 | |
| $1\frac{5}{8}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | $1\frac{1}{4}$ | .15 | .23 | .... | .27 | .32 | .39 | .45 | .50 | .55 | .60 | .65 | |
| $1\frac{3}{4}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | $1\frac{1}{2}$ | .18 | .27 | .... | .34 | .39 | .48 | .52 | .60 | .67 | .72 | .80 | |
| 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 2 | .24 | .36 | .... | .43 | .51 | .67 | .72 | .80 | .87 | .96 | 1.03 | |
| $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 | $2\frac{1}{2}$ | .52 | .79 | .... | .... | .91 | 1.20 | 1.30 | 1.40 | 1.55 | 1.68 | 1.80 | |
| $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 | 3 | .65 | .96 | .... | .... | 1.13 | 1.44 | 1.60 | 1.77 | 1.93 | 2.10 | 2.27 | |
| $2\frac{3}{4}$ | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | $3\frac{1}{2}$ | 1.00 | 1.40 | .... | .... | .... | 1.75 | 1.95 | 2.15 | 2.35 | 2.55 | 2.75 | |
| 3 | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | 4 | 1.15 | 1.60 | .... | .... | .... | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.25 | |

Add 60 per cent to above prices for galvanized right and left nipples.

GALVANIZED RIGHT-HAND NIPPLES

| LENGTH, INCHES | | | | | | Size, Inches | PRICE, EA. | | PRICE, EXTRA LONG NIPPLES, EACH | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---------------------------------|------|------|------|------|------|------|------|-------|--|
| Close | Short | Long | | | | | Close or Short | Long | LENGTH, INCHES | | | | | | | | | |
| | | | | | | | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| $\frac{3}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{8}$ | .06 | .11 | .12 | .15 | .17 | .21 | .24 | .26 | .29 | .31 | .34 | |
| $\frac{7}{8}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{4}$ | .06 | .11 | .12 | .15 | .17 | .21 | .24 | .26 | .29 | .31 | .34 | |
| 1 | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{3}{8}$ | .06 | .11 | .12 | .15 | .17 | .21 | .24 | .26 | .29 | .31 | .34 | |
| $1\frac{1}{8}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | $\frac{1}{2}$ | .06 | .11 | .13 | .16 | .18 | .23 | .26 | .28 | .31 | .33 | .36 | |
| $1\frac{3}{8}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $\frac{3}{4}$ | .08 | .14 | .... | .18 | .21 | .26 | .29 | .32 | .35 | .38 | .41 | |
| $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 1 | .11 | .19 | .... | .24 | .28 | .34 | .38 | .42 | .47 | .51 | .55 | |
| $1\frac{5}{8}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | $1\frac{1}{4}$ | .17 | .29 | .... | .32 | .38 | .45 | .51 | .57 | .63 | .69 | .75 | |
| $1\frac{3}{4}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | $1\frac{1}{2}$ | .21 | .35 | .... | .39 | .46 | .55 | .63 | .70 | .77 | .84 | .91 | |
| 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 2 | .27 | .47 | .... | .52 | .61 | .74 | .83 | .93 | 1.03 | 1.13 | 1.23 | |
| $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 | $2\frac{1}{2}$ | .56 | .86 | .... | .... | 1.00 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | |
| $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 | 3 | .70 | 1.10 | .... | .... | 1.30 | 1.60 | 1.80 | 2.00 | 2.20 | 2.40 | 2.60 | |
| $2\frac{3}{4}$ | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | $3\frac{1}{2}$ | 1.20 | 1.70 | .... | .... | .... | 2.10 | 2.35 | 2.60 | 2.85 | 3.15 | 3.40 | |
| 3 | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | 4 | 1.35 | 1.87 | .... | .... | .... | 2.30 | 2.60 | 2.90 | 3.20 | 3.50 | 3.80 | |
| 3 | 4 | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | $4\frac{1}{2}$ | 1.85 | 2.60 | .... | .... | .... | 3.30 | 3.65 | 4.05 | 4.45 | 4.85 | 5.25 | |
| $3\frac{1}{4}$ | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | $6\frac{1}{2}$ | 5 | 2.30 | 3.15 | .... | .... | .... | 3.75 | 4.20 | 4.60 | 5.00 | 5.40 | 5.85 | |
| $3\frac{1}{4}$ | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | 6 | $6\frac{1}{2}$ | 6 | 2.80 | 4.25 | .... | .... | .... | 4.50 | 5.00 | 5.55 | 6.05 | 6.60 | 7.15 | |
| $3\frac{1}{2}$ | 5 | .... | .... | .... | .... | 7 | 4.25 | .... | .... | .... | .... | 4.95 | 5.65 | 6.35 | 7.05 | 7.75 | 8.45 | |
| $3\frac{1}{2}$ | 5 | .... | .... | .... | .... | 8 | 5.00 | .... | .... | .... | .... | 5.80 | 6.65 | 7.50 | 8.35 | 9.25 | 10.10 | |
| | | | | | | | | | | | | | | | | | 10.95 | |

WROUGHT IRON FITTINGS

STANDARD



Fig. H-1203

COUPLINGS

HYDRAULIC

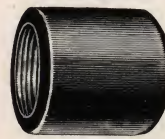


Fig. H-1204

STANDARD

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------------|-----|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|
| Price, Black.....each | .05 | .05 | .06 | .07 | .10 | .13 | .17 | .21 | .28 | .40 | .60 |
| “ Galvanized. “ | .06 | .06 | .08 | .10 | .13 | .18 | .25 | .32 | .40 | .55 | .80 |
| “ Right and Left, Black “ | ... | .07 | .08 | .11 | .15 | .20 | .25 | .30 | .50 | .85 | 1.20 |

| Size.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .. |
|---------------------------|-------|------|-------|------|------|------|------|------|------|-------|-----|
| Price, Black.....each | .80 | 1.00 | 1.50 | 1.65 | 2.40 | 3.25 | 4.25 | 5.50 | 7.50 | 10.00 | ... |
| “ Galvanized. “ | 1.05 | 1.40 | 2.00 | 2.25 | 3.25 | ... | ... | ... | ... | ... | ... |
| “ Right and Left, Black “ | 1.60 | 2.00 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

EXTRA HEAVY OR HYDRAULIC

These couplings are made extra heavy and long, and cut with a perfect taper and longer thread. Threads for these couplings may be cut with an ordinary die. The object of the recessed coupling is to make a better joint, protecting the pipe at the weakest point, viz., that part left exposed from cutting the thread and not covered with the ordinary coupling.

| Size.....inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------------------------------|------|------|------|--------|--------|--------|--------|-------|------|-------|------|
| Outside Diameter.....inches | .95 | 1.13 | 1.44 | 1.63 | 2.07 | 2.31 | 2.81 | 3.31 | 4.00 | 4.63 | 5.13 |
| Length.....inches | 1.50 | 1.88 | 2.13 | 2.38 | 2.63 | 2.87 | 3.13 | 3.50 | 3.69 | 4.25 | 4.25 |
| Threads to inch of Screw.... | 18 | 14 | 14 | 11 1/2 | 11 1/2 | 11 1/2 | 11 1/2 | 8 | 8 | 8 | 8 |
| Weight, Each.....pounds | .23 | .28 | .50 | .56 | .90 | 1.35 | 1.80 | 2.40 | 3.46 | 5.25 | 6.80 |
| Price, Black.....each | .14 | .14 | .20 | .26 | .34 | .42 | .56 | .80 | 1.20 | 1.60 | 2.00 |
| “ Galvanized..... “ | .20 | .20 | .25 | .32 | .42 | .55 | .75 | 1.05 | 1.50 | 1.90 | 3.00 |
| “ Recessed, Black.. “ | .25 | .25 | .30 | .35 | .45 | .55 | .70 | .95 | 1.40 | 1.85 | 2.25 |
| “ “ Galvanized. “ | .30 | .30 | .35 | .40 | .55 | .70 | .90 | 1.20 | 1.70 | 2.15 | 3.25 |

| Size.....inches | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | .. | .. | .. | .. |
|-------------------------------|-------|------|------|-------|-------|-------|-------|-----|-----|-----|-----|
| Price, Recessed, Black...each | 4.00 | 4.80 | 5.60 | 7.70 | 8.00 | 10.00 | 12.00 | ... | ... | ... | ... |
| “ “ Galvanized. “ | 5.70 | 6.90 | 8.00 | 11.10 | 11.60 | 14.50 | 17.50 | ... | ... | ... | ... |

LONG SCREWS WITH COUPLING AND LOCKNUT FACED

REGULAR

EXTRA HEAVY



Fig. H-1205

REGULAR



Fig. H-1206

| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-------------------------|-------|-----|-------|-----|-------|-------|-------|------|-------|------|-------|------|
| Standard Length, inches | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 7 | 8 | 8 1/2 | 9 |
| Price, Black.....each | .30 | .35 | .40 | .55 | .75 | 1.00 | 1.30 | 1.70 | 2.70 | 3.70 | 5.40 | 6.60 |
| “ Galvanized.. “ | .35 | .40 | .50 | .66 | 1.00 | 1.25 | 1.60 | 2.10 | 3.10 | 4.70 | 6.50 | 7.75 |

EXTRA HEAVY

| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|----------------------------|-------|-----|-------|-----|-------|-------|-------|------|
| Standard Length.....inches | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 | 6 |
| Price, Black.....each | .30 | .35 | .40 | .55 | .75 | 1.00 | 1.30 | 1.70 |
| “ Galvanized..... “ | .35 | .40 | .50 | .66 | 1.00 | 1.25 | 1.60 | 2.10 |

Extra heavy long screws are made from extra heavy pipe; both ends reamed.

MALLEABLE IRON FITTINGS

BANDED



Fig. H-1207

ELBOWS

45° BANDED



Fig. H-1208

60° PLAIN

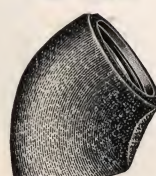


Fig. H-1209

STRAIGHT AND REDUCING

| Size... inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 |
|----------------|-----|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|-------|------|-------|------|-------|
| Black.. each | .06 | .07 | .08 | .10 | .15 | .22 | .25 | .35 | .50 | .90 | 1.50 | 2.25 | 3.00 | 3.50 | 4.00 | 6.50 |
| Galv... " | .08 | .09 | .11 | .14 | .20 | .32 | .40 | .60 | .90 | 1.50 | 2.60 | 3.75 | 5.00 | .... | 6.50 | 10.00 |

RIGHT AND LEFT

| Size..... inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------------------------|-----|-----|-----|-----|-----|-------|-------|------|
| Price, Black..... each | .09 | .11 | .13 | .17 | .25 | .30 | .40 | .65 |
| " Galvanized..... " | .12 | .16 | .17 | .23 | .35 | .45 | .65 | 1.00 |

45° AND 60°

| Size..... inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 |
|------------------------|------|------|------|------|------|-------|-------|------|-------|------|-------|------|-------|------|-------|
| Price, 45°, Blk.. each | .08 | .10 | .12 | .18 | .26 | .36 | .54 | .82 | 1.25 | 2.50 | 3.25 | 4.50 | 5.25 | 6.00 | 7.50 |
| " 45°, Galv. " " | .12 | .15 | .20 | .25 | .40 | .50 | .85 | 1.35 | 1.90 | 3.75 | 4.75 | 6.75 | .... | 9.00 | 11.00 |
| " 60°, Blk.. " " | .... | .... | .... | .... | .... | .30 | .45 | .65 | .... | .... | .... | .... | .... | .... | .... |
| " 60°, Galv. " " | .... | .... | .... | .... | .... | .45 | .70 | 1.05 | .... | .... | .... | .... | .... | .... | .... |

STREET



Fig. H-1210

SIDE OUTLET

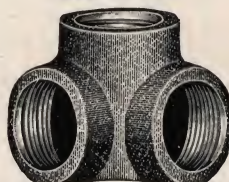


Fig. H-1211

DROP, FEMALE

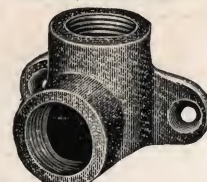


Fig. H-1212

STREET

| Size..... inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
|------------------------|------|------|-----|-----|-----|-----|-------|-------|------|-------|------|------|
| Price, Black..... each | .08 | .10 | .10 | .12 | .20 | .25 | .40 | .55 | .90 | 1.50 | 2.25 | 3.50 |
| " Galvanized..... " | .10 | .12 | .12 | .15 | .28 | .35 | .55 | .80 | 1.30 | 2.25 | 3.50 | .... |
| " 45°, Black..... " | .... | .... | .12 | .12 | .20 | .25 | .40 | .55 | .90 | .... | 2.25 | 3.50 |
| " 45°, Galvanized... " | .... | .... | .15 | .15 | .28 | .35 | .55 | .80 | 1.30 | .... | .... | .... |

SIDE OUTLET

| Size..... inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------------------------|-----|-----|-----|-----|-------|-------|------|
| Price, Black..... each | .08 | .10 | .18 | .30 | .45 | .60 | 1.00 |
| " Galvanized..... " | .10 | .15 | .25 | .45 | .65 | .90 | 1.50 |

DROP

| Size..... inches | 1/4 | 3/8 | 1/2 | 3/4 |
|----------------------|------|-----|-----|------|
| Female, Black.. each | .06 | .08 | .12 | .20 |
| " Galv.... " | .09 | .12 | .20 | .35 |
| M. and F. Black " | .... | .08 | .12 | .... |
| " " Galv. " | .... | .12 | .20 | .... |

LONG DROP

| Size..... inches | 1/4x3/8 | 3/8x3/8 | 1/2x3/8 | 1/2x1/2 |
|-------------------|---------|---------|---------|---------|
| Black..... each | .10 | .10 | .18 | .18 |
| Galvanized. " | .18 | .18 | .27 | .27 |
| Drop Length.. in. | 2 3/8 | 2 1/2 | 3 1/8 | 3 1/8 |

MALLEABLE IRON FITTINGS

TEES

PLAIN



Fig. H-1213

BANDED

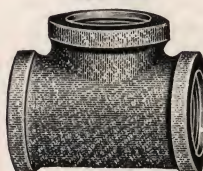


Fig. H-1214

SERVICE

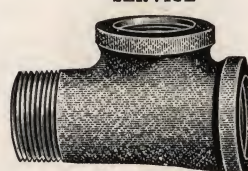


Fig. H-1215

STRAIGHT AND REDUCING

| | | | | | | | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|------|-------|------|-------|------|-------|
| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 |
| Price, Black...each | .07 | .08 | .09 | .11 | .15 | .25 | .30 | .45 | .60 | 1.05 | 1.70 | 2.50 | 3.40 | 4.25 | 5.00 | 7.75 |
| " Galv... " | .09 | .10 | .13 | .16 | .20 | .38 | .50 | .70 | 1.00 | 1.90 | 3.00 | 4.25 | 5.75 | .... | 8.00 | 12.00 |

SERVICE

| | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-------|-------|------|-------|------|-----------|-------|
| Size.....inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3x2 1/2x3 | 3x3x4 |
| Price, Black .....each | .12 | .15 | .25 | .35 | .50 | .75 | 1.15 | 2.00 | 2.50 | 2.50 | 4.00 |
| " Galvanized .. " | .15 | .20 | .35 | .50 | .70 | 1.10 | 1.65 | .... | .... | .... | .... |

TEES

FOUR-WAY



Fig. H-1216

DROP

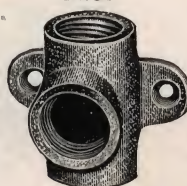


Fig. H-1217

PLAIN

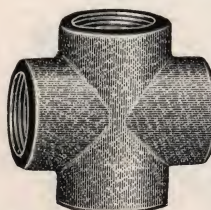


Fig. H-1218

CROSSES

BANDED

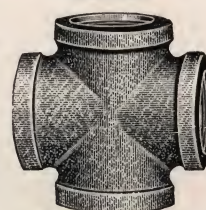


Fig. H-1219

FOUR-WAY AND DROP TEES

| | | | | | | | |
|--------------------------------------|-----|-----|-----|------|-------|-------|------|
| Size | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price, Four-Way Tees, Black.....each | .12 | .14 | .20 | .35 | .50 | .80 | 1.25 |
| " " " Galvanized. " | .17 | .20 | .28 | .50 | .70 | 1.10 | 1.75 |
| " Drop Tees, Black..... " | .10 | .14 | .22 | .30 | .... | .... | .... |
| " " " Galvanized..... " | .15 | .25 | .40 | .... | .... | .... | .... |
| " " " M. and F..Black " | .10 | .14 | .22 | .30 | .... | .... | .... |
| " " " " Galvanized " | .15 | .25 | .40 | .... | .... | .... | .... |

LONG DROP TEES

| | | | | |
|------------------------|-------|-------------|---------|-----------------|
| Size.....inches | 3/8 | 3/4x3/4x1/2 | 1x1x1/2 | 1 1/4x1 1/4x1/2 |
| Drop Length.....inches | 2 1/2 | 3 1/8 | 3 3/8 | 3 3/4 |
| Price, Black.....each | .12 | .30 | .40 | .60 |
| " Galvanized | .17 | .... | .... | .... |

STRAIGHT AND REDUCING CROSSES

| | | | | | | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-----|-------|-------|------|-------|------|-------|------|------|-------|
| Size | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 |
| Price, Black....each | .09 | .10 | .16 | .20 | .30 | .40 | .60 | 1.00 | 1.75 | 3.00 | 3.25 | 5.25 | 7.50 | 13.00 |
| " Galv. " | .12 | .14 | .25 | .29 | .45 | .60 | .90 | 1.50 | 2.75 | 4.50 | .... | 8.00 | .... | .... |

MALLEABLE IRON FITTINGS

"Y" BRANCH

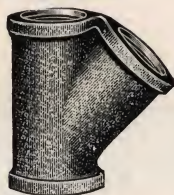


Fig. H-1220

CROSSOVER



Fig. H-1221

CROSSOVER TEE



Fig. H-1222

"Y" BRANCHES, STRAIGHT AND REDUCING

| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
|--------------------|--------|-----|-----|-----|-------|-------|------|-------|------|------|
| Price, Black | each | .40 | .50 | .60 | .80 | 1.00 | 1.70 | 2.00 | 4.00 | 5.50 |
| " Galvanized | " | .60 | .75 | .90 | 1.25 | 1.50 | 2.50 | 3.00 | 6.00 | 8.25 |

60° "Y" BRANCHES

CROSSOVERS

CROSSOVER TEES

| Size | inches | 2 | 2x1 1/2 | Size | inches | 1/2 | 3/4 | 1 | Size | inches | 1/2 | 3/4 |
|--------------------|--------|------|---------|--------------------|--------|-----|-----|-----|--------------------|--------|-----|-----|
| Price, Black | each | 1.70 | 1.70 | Price, Black | each | .20 | .30 | .45 | Price, Black | each | .. | .. |
| " Galv.. " | " | 2.50 | 2.50 | " Galv.. " | " | .25 | .40 | .60 | " Galv.. " | " | .38 | .56 |

COUPLINGS

REDUCER



Fig. H-1223

R. H.



Fig. H-1224

R. AND L.

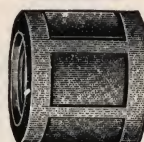


Fig. H-1225

CAP



Fig. H-1226

REDUCERS

| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|--------------------|--------|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|-------|------|
| Price, Black | each | .05 | .06 | .07 | .10 | .16 | .20 | .28 | .45 | .70 | 1.00 | 1.50 | 1.85 |
| " Galvanized | " | .08 | .10 | .10 | .15 | .25 | .35 | .45 | .75 | 1.05 | 1.65 | 2.40 | 3.05 |

RIGHT-HAND COUPLINGS

| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|--------------------|--------|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|
| Price, Black | each | .03 | .05 | .07 | .10 | .14 | .20 | .25 | .35 | .60 | .90 |
| " Galvanized | " | .05 | .07 | .10 | .17 | .23 | .30 | .40 | .55 | .95 | 1.40 |

RIGHT AND LEFT-HAND COUPLINGS

| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|--------------------|--------|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|
| Price, Black | each | .04 | .06 | .08 | .12 | .16 | .25 | .36 | .52 | .70 | 1.00 |
| " Galvanized | " | .06 | .09 | .10 | .17 | .25 | .35 | .55 | .75 | 1.05 | 1.50 |

CAPS

| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 |
|--------------------|--------|-----|-----|-----|-----|-----|-------|-------|-----|-------|------|-------|------|------|------|
| Price, Black | each | .03 | .04 | .05 | .08 | .12 | .16 | .24 | .32 | .45 | .85 | 1.00 | 1.20 | 2.50 | 3.50 |
| " Galv..... " | " | .04 | .05 | .08 | .12 | .17 | .24 | .38 | .52 | .76 | 1.30 | 1.60 | 2.00 | 3.50 | 5.00 |

MALLEABLE IRON FITTINGS

CLOSE PATTERN

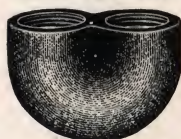


Fig. H-1227

RETURN BENDS

Close pattern return bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.

MEDIUM PATTERN



Fig. H-1228

CLOSE PATTERN

| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|---------------|----------------|----------------|----------------|----------------|----------------|
| Center to Center | inches | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | $2\frac{1}{8}$ | $2\frac{5}{8}$ |
| Price, R. H., Black | each | .18 | .25 | .35 | .50 | .75 | 1.00 |
| “ “ Galvanized | “ | .25 | .35 | .55 | .75 | 1.15 | 1.65 |
| “ R. and L., Black | “ | .23 | .30 | .45 | .60 | .90 | 1.25 |
| “ “ Galvanized | “ | .35 | .40 | .65 | .85 | 1.30 | 1.90 |
| “ L. H., Black | “ | .23 | .30 | .45 | .60 | .90 | 1.25 |

MEDIUM PATTERN

| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------|--------|----------------|----------------|----------------|----------------|----------------|------|
| Center to Center | inches | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{7}{8}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ | 3 |
| Price, R. H., Black | each | .18 | .25 | .35 | .50 | .75 | 1.00 |
| “ “ Galvanized | “ | .25 | .35 | .55 | .75 | 1.15 | 1.65 |
| “ R. and L., Black | “ | .23 | .30 | .45 | .60 | .90 | 1.25 |
| “ “ Galvanized ..... | “ | .... | .40 | .65 | .... | .... | .... |
| “ L. H., Black | “ | .23 | .30 | .45 | .60 | .90 | 1.25 |

OPEN PATTERN

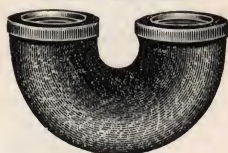


Fig. H-1229

SPECIAL WIDE PATTERN



Fig. H-1230

OPEN PATTERN

| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
|---------------------------|--------|----------------|---------------|----------------|----------------|----------------|------|----------------|------|
| Center to Center | inches | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 |
| Price, R. H., Black | each | .20 | .30 | .50 | .65 | .85 | 1.25 | 2.00 | 3.00 |
| “ “ Galvanized | “ | .28 | .45 | .70 | .90 | 1.25 | 2.00 | 3.50 | 5.00 |
| “ R. and L., Black | “ | .25 | .38 | .60 | .80 | 1.05 | 1.55 | 2.50 | 3.75 |
| “ “ Galvanized ..... | “ | .... | .55 | .80 | 1.05 | 1.50 | 2.40 | .... | .... |
| “ L. H., Black | “ | .25 | .38 | .60 | .80 | 1.05 | 1.55 | 2.50 | 3.75 |

SPECIAL WIDE PATTERN—RIGHT-HAND

| Size | inches | $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | 3 | 3 | 4 | 6 |
|------------------------|--------|----------------|---------------|---------------|------|----------------|----------------|------|----------------|------|------|-------|
| Center to Center | inches | $1\frac{1}{2}$ | 4 | 6 | 6 | 6 | 6 | 5 | $7\frac{1}{2}$ | 8 | 6 | 12 |
| Price, Black | each | .25 | 1.00 | 1.25 | 1.25 | 1.25 | 2.00 | 3.00 | 5.00 | 8.00 | 8.00 | 16.00 |
| “ Galvanized | “ | .30 | 1.35 | 1.65 | 1.70 | 1.70 | 2.75 | 4.00 | 6.50 | 6.50 | .... | .... |

EXTRA HEAVY

| Size | inches | 1 | 1 | 1 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | 2 | 2 |
|------------------------|--------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|------|------|----------------|
| Center to Center | inches | $1\frac{3}{4}$ | $2\frac{1}{2}$ | 3 | $2\frac{1}{4}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 6 | 3 | 3 | $3\frac{1}{2}$ |
| Price, Black | each | .60 | .75 | .85 | .90 | .95 | 1.00 | 1.15 | 1.20 | 1.55 | 1.15 | 1.25 | 1.30 |

MALLEABLE IRON FITTINGS

BUSHING



Fig. H-1231

FACED BUSHING



Fig. H-1232

LOCKNUT



Fig. H-1233

FACED LOCKNUT



Fig. H-1234

BUSHINGS—Reducing One Size Only

| | | | | | | | | | | |
|--------------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ |
| Price, Black..... | each | .04 | .04 | .04 | .05 | .06 | .07 | .09 | .14 | .21 |
| " Galvanized | " | .08 | .08 | .08 | .10 | .12 | .14 | .18 | .28 | .42 |

FACED BUSHINGS

| | | | | | | | | | | | | | | | |
|------------------|--------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|------|----------------|------|----------------|-------|-------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | $4\frac{1}{2}$ | 5 | 6 |
| Price, Black.... | each | .08 | .09 | .11 | .13 | .17 | .22 | .32 | .48 | .70 | 1.20 | 1.50 | 2.10 | 2.60 | 3.75 |
| " Galv..... | " | ..... | ..... | ..... | .20 | .25 | .33 | .48 | .72 | 1.05 | 1.80 | 2.25 | ..... | ..... | ..... |

LOCKNUTS

| | | | | | | | | | |
|--------------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|
| Size..... | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price, Black..... | each | .02 | .03 | .04 | .05 | .07 | .09 | .11 | .18 |
| " Galvanized | " | .03 | .04 | .05 | .07 | .10 | .14 | .20 | .30 |

FACED LOCKNUTS

| | | | | | | | | | | | |
|--------------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|-----|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Price, Black | each | .08 | .09 | .10 | .12 | .15 | .20 | .25 | .30 | .35 | .45 |
| " Galvanized | " | .11 | .13 | .15 | .18 | .22 | .30 | .35 | .45 | .50 | .65 |

HEXAGON NIPPLE

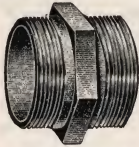


Fig. H-1235

WASTE NUT



Fig. H-1236

EXTENSION PIECE



Fig. H-1237

HEXAGON NIPPLES, RIGHT AND LEFT

| | | | | | | | | | | | | | |
|--------------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|------|----------------|------|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
| Price, Black | each | .20 | .20 | .20 | .25 | .30 | .40 | .50 | .70 | 1.10 | 1.50 | 1.90 | 2.40 |

Right-hand hexagon nipples made to order at a special price.

WASTE NUTS

| | | | | | | | | |
|--------------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
| Price, Black | each | .04 | .05 | .06 | .08 | .10 | .15 | .25 |
| " Galvanized | " | .08 | .10 | .12 | .16 | .20 | .30 | .50 |

EXTENSION PIECES

| | | | | |
|--------------------|--------|---------------|---------------|---------------|
| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ |
| Price, Black | each | .06 | .09 | .12 |
| " Galvanized..... | " | .09 | .13 | .18 |

MALLEABLE IRON FITTINGS **STANDARD CLASSIFICATION AND PRICE LIST** **CLASSIFICATION**

| Class | A | B | C |
|------------------------|---|--|----------------------------|
| Caps | $\frac{1}{8}$ | $\frac{1}{4}$ to 1, inclusive | $\frac{1}{4}$ and Larger |
| Chandelier Hooks ..... | ..... | All Sizes | ..... |
| “ Loops ..... | ..... | “ “ | ..... |
| Couplings, R. H. | $\frac{1}{8}$ | $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ | 1 and Larger |
| “ R. and L. | $\frac{1}{8}$ | $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ | 1 “ “ |
| “ Reducing | $\left\{ \begin{array}{l} \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \\ \frac{1}{2} \times \frac{1}{8} \end{array} \right.$ | $\frac{3}{8} \times \frac{1}{4}$ to $1 \times \frac{3}{4}$ | * $\frac{1}{4}$ and Larger |
| Crosses ..... | ..... | $\frac{1}{4}$ to 1, inclusive | $\frac{1}{4}$ and Larger |
| “ Reducing ..... | ..... | 1 and Smaller | * $\frac{1}{4}$ “ “ |
| Elbows | $\left\{ \begin{array}{l} \frac{1}{8} \times \frac{1}{8} \\ \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \\ \frac{1}{2} \times \frac{1}{8} \end{array} \right.$ | $\left\{ \begin{array}{l} \frac{3}{8} \times \frac{1}{4} \\ \frac{1}{2} \times \frac{1}{4} \\ \frac{1}{4}, \frac{3}{8}, \frac{1}{2} \\ \frac{1}{2} \times \frac{3}{8} \end{array} \right.$ | * $\frac{3}{4}$ and Larger |
| Elbows, 45° ..... | ..... | $\frac{1}{4}$ to 2, inclusive | $2\frac{1}{2}$ and Larger |
| “ 60° ..... | ..... | $\frac{1}{4}$ to 2 | ..... |
| “ Drop ..... | ..... | All Sizes | ..... |
| “ R. and L. | $\frac{1}{4}$, $\frac{3}{8}$ | $\frac{1}{2}$, $\frac{3}{4}$, 1 | * $\frac{1}{4}$ and Larger |
| “ Side Outlet ..... | ..... | All Sizes | ..... |
| “ Street | $\frac{1}{8}$ | $\left\{ \begin{array}{l} \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4} \\ \frac{3}{4} \times \frac{1}{2} \\ 1 \times \frac{1}{2}, 1 \times \frac{3}{4} \end{array} \right.$ | 1 and Larger |
| “ “ 45° | $\frac{3}{8}$ | $\frac{1}{2}$ and Larger | ..... |
| Extension Pieces ..... | ..... | All Sizes | ..... |
| Locknuts | $\frac{1}{8}$ | $\frac{1}{4}$ to $\frac{1}{4}$, inclusive | $\frac{1}{2}$ and Larger |
| Return Bends | $\frac{1}{4}$ | $\frac{3}{8}$ to 1 | $\frac{1}{4}$ “ “ |
| “ “ R. and L. | $\frac{3}{8}$ and $\frac{1}{2}$ | $\frac{3}{4}$ and Larger | ..... |
| Tees | $\left\{ \begin{array}{l} \frac{1}{8} \times \frac{1}{8} \\ \frac{1}{8} \times \frac{1}{4} \\ \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \end{array} \right.$ | $\left\{ \begin{array}{l} \frac{1}{4}, \frac{3}{8}, \frac{1}{2} \\ \frac{1}{4} \times \frac{1}{4} \times \frac{3}{8} \\ \frac{3}{8} \times \frac{1}{4} \times \frac{1}{4} \\ \frac{3}{8} \times \frac{3}{8} \times \frac{1}{4} \\ \frac{3}{8} \times \frac{1}{4} \times \frac{3}{8} \\ \frac{1}{2} \text{ Reducing} \end{array} \right.$ | * $\frac{3}{4}$ and Larger |
| Tees, Drop ..... | ..... | All Sizes | ..... |
| “ Four-Way ..... | ..... | “ “ | ..... |
| “ Service ..... | ..... | $\left\{ \begin{array}{l} \frac{3}{8}, \frac{1}{2}, \frac{3}{4} \\ \frac{3}{4} \times \frac{1}{2} \times \frac{3}{4} \\ \frac{3}{4} \times 1, 1 \times \frac{3}{4} \times 1 \\ 1 \times 1 \times \frac{3}{4} \end{array} \right.$ | 1 and Larger |
| Wall Plates ..... | ..... | All Sizes | ..... |
| Waste Nuts ..... | ..... | “ “ | ..... |
| “Y” Bends ..... | ..... | “ “ | ..... |
| “ “ 60° ..... | ..... | “ “ | ..... |

PRICE LIST

| Class | A | B | C |
|-----------------------------|-----|-----|-----|
| Price, Black..... per pound | .40 | .20 | .12 |
| “ Galvanized “ | .50 | .28 | .19 |

*Fittings in Class C having one or more outlets smaller than $\frac{3}{4}$ -inch will be charged in Class B.

Orders for less than 25 pounds of black fittings in Classes B and C will be charged at a uniform price of 20 cents per pound, and in Class A at 40 cents per pound.

MALLEABLE IRON FITTINGS**MALE****UNION ELBOWS****FEMALE**

Fig. H-1238



Fig. H-1239

| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ |
|-----------------------------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|
| Male Union Elbows, Black.....each | .43 | .45 | .48 | .62 | .72 | 1.05 | 1.20 | 1.80 | 3.30 |
| Female Union Elbows "....." | .38 | .40 | .42 | .54 | .63 | .90 | 1.05 | 1.55 | 2.85 |
| Male Union Elbows, Galvanized.. " | .65 | .70 | .72 | .93 | 1.08 | 1.60 | 1.80 | 2.70 | 4.95 |
| Female Union Elbows "....." | .57 | .60 | .63 | .81 | .95 | 1.35 | 1.58 | 2.35 | 4.30 |

MALE**UNION TEES****FEMALE**

Fig. H-1240



Fig. H-1241

| Size.....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ |
|-----------------------------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|
| Male Union Tees, Black.....each | .48 | .50 | .52 | .65 | .80 | 1.10 | 1.30 | 1.95 | 3.70 |
| Female Union Tees "....." | .40 | .43 | .45 | .57 | .70 | .95 | 1.15 | 1.70 | 3.20 |
| Male Union Tees, Galvanized.... " | .72 | .75 | .78 | 1.00 | 1.20 | 1.65 | 1.95 | 2.95 | 5.55 |
| Female Union Tees "....." | .60 | .65 | .68 | .86 | 1.05 | 1.45 | 1.75 | 2.55 | 4.80 |

**BOILER
ELBOW****BOILER ELBOW
WITH UNION****BOILER
COUPLING****BOILER COUPLING
WITH UNION**

Fig. H-1242



Fig. H-1243

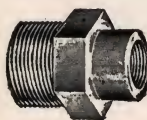


Fig. H-1244

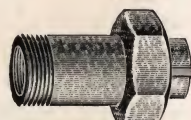


Fig. H-1245

| Size.....inches | Female, Male $\frac{3}{4} \times \frac{3}{4} \times 1$ | Female, Male $\frac{3}{4} \times \frac{1}{2} \times 1$ | Female, Male $\frac{1}{2} \times \frac{1}{2} \times 1$ |
|------------------------------|---|---|---|
| Boiler Elbows, Galv.....each | .40 | .40 | .40 |
| " " with Union, Galv..... " | .75 | .75 | .60 |
| " Couplings, Galv..... " | .40 | .40 | .40 |
| " " with Union, Galv.... " | .75 | .75 | .60 |

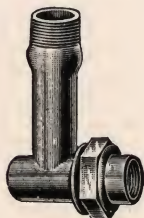
**LONG UNION
BOILER TEE**

Fig. H-1246

| | |
|--|-----|
| Long Tees with Union, Galv. $\frac{3}{4} \times 1\frac{1}{2} \times 1$ ins.. ea. | .80 |
| " " without " $\frac{3}{4} \times 1\frac{1}{2} \times 1$ " " | .50 |
| " Elbows, 1-in. Male, $\frac{1}{2}$ -in. Union Galv... " | .50 |
| " " 1 " " $\frac{3}{4}$ " " " " | .55 |

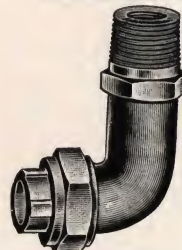
**LONG UNION
BOILER ELBOW**

Fig. H-1247

UNIONS

MARK COLD-DRAWN STEEL
SHERARDIZED

STANDARD



Fig. H-1248

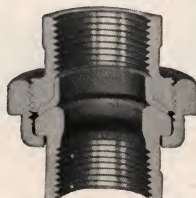


Fig. H-1249



Fig. H-1250

STANDARD

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-----------------------|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|------|-------|------|
| Price, Black.....each | .18 | .18 | .20 | .22 | .27 | .33 | .46 | .58 | .75 | 1.55 | 2.10 | 3.65 | 4.35 |
| " Galvanized... " | .27 | .27 | .30 | .33 | .40 | .50 | .70 | .90 | 1.15 | 2.35 | 3.15 | 5.50 | 6.50 |

MARK COLD-DRAWN STEEL, BRASS SEAT
SHERARDIZED

| Size.....inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|-----------------------|------|------|------|------|-------|-------|-------|-------|-------|
| Price, Steel.....each | .50 | .50 | .70 | .95 | 1.30 | 1.80 | 2.50 | 4.00 | 6.00 |
| " All Brass.... " | 1.50 | 2.00 | 3.00 | 4.00 | 5.00 | 7.00 | 10.00 | 12.00 | 15.00 |

RAILROAD

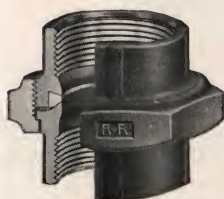


Fig. H-1251

DART

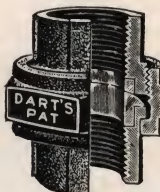


Fig. H-1252

KEWANEE

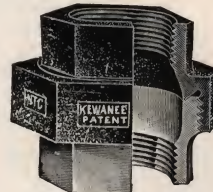


Fig. H-1253

RAILROAD, BRASS TO IRON SEAT, GROUND JOINT

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|-----------------------|-----|-----|-----|-----|-----|------|-------|-------|------|-------|------|
| Price, Black.....each | .30 | .30 | .40 | .50 | .60 | .80 | 1.20 | 1.60 | 2.00 | 3.20 | 4.80 |
| " Galvanized. " | .45 | .45 | .60 | .75 | .90 | 1.20 | 1.80 | 2.40 | 3.00 | 4.80 | 6.20 |

DART, WITH BRONZE SEATS, BALL GROUND JOINT

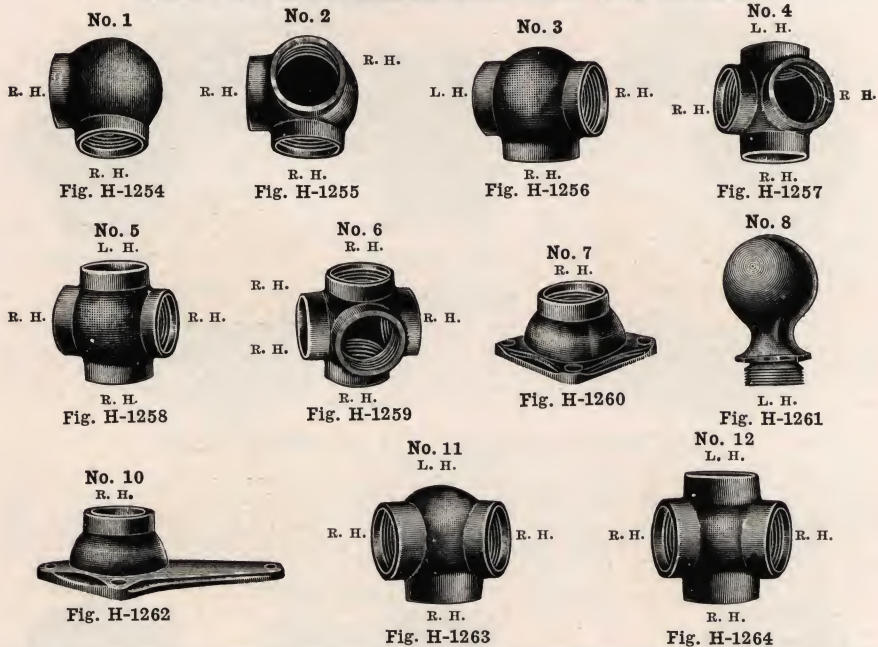
| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-----------------------|-----|-----|-----|-----|-----|------|-------|-------|------|-------|------|-------|-------|
| Price, Black.....each | .30 | .30 | .40 | .50 | .60 | .80 | 1.20 | 1.60 | 2.00 | 3.20 | 4.80 | 7.20 | 10.80 |
| " Galvanized. " | .45 | .45 | .60 | .75 | .90 | 1.20 | 1.80 | 2.40 | 3.00 | 4.80 | 7.20 | 10.80 | 16.20 |

KEWANEE, WITH BRASS AND IRON NON-CORROSIVE BALL JOINT

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-----------------------|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|------|-------|------|
| Price, Black.....each | .18 | .19 | .22 | .27 | .40 | .48 | .66 | .80 | 1.14 | 2.10 | 2.65 | 4.30 | 5.50 |
| " Galvanized... " | .22 | .23 | .26 | .34 | .49 | .60 | .82 | 1.10 | 1.40 | 2.75 | 3.50 | 6.30 | 7.50 |

RAILING FITTINGS

BALL PATTERN MALLEABLE IRON AND BRASS



| Kind..... | MALLEABLE IRON | | | | | | | | | FINISHED BRASS | | | | | |
|-----------------------------------|----------------|-----|-----|-------|-------|------|-------|------|------|----------------|------|------|-------|-------|------|
| Size .....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| No. 1, Elbow.....each | .15 | .18 | .20 | .35 | .45 | .72 | 1.60 | 2.25 | 4.50 | .40 | .60 | .80 | 1.20 | 1.60 | 2.50 |
| " 2, " Side Outlet....." | .20 | .23 | .25 | .40 | .50 | .80 | 1.75 | 2.50 | 5.00 | .75 | 1.00 | 1.10 | 1.70 | 2.00 | 3.00 |
| " 3, Tee....." | .20 | .23 | .25 | .40 | .50 | .75 | 1.75 | 2.50 | 5.00 | .60 | .85 | 1.10 | 1.70 | 2.00 | 3.00 |
| " 4, " Side Outlet....." | .30 | .33 | .35 | .45 | .55 | .90 | 1.90 | 2.60 | 5.25 | 1.05 | 1.25 | 1.50 | 2.00 | 2.40 | 3.50 |
| " 5, Cross....." | .30 | .33 | .35 | .45 | .58 | 1.00 | 1.80 | 2.60 | 5.25 | 1.05 | 1.25 | 1.50 | 2.00 | 2.40 | 3.50 |
| " 6, " Side Outlet....." | .35 | .38 | .40 | .50 | .65 | 1.35 | 2.00 | 2.75 | 5.50 | 1.20 | 1.45 | 1.70 | 2.25 | 3.00 | 4.00 |
| " 7, Floor Flange, Square....." | .16 | .18 | .20 | .40 | .50 | .90 | 1.35 | 2.50 | 5.00 | .75 | .90 | 1.00 | 1.35 | 1.75 | 2.50 |
| " 8, Ball Ornament....." | .16 | .18 | .20 | .25 | .35 | .90 | 1.35 | 2.00 | 4.25 | .75 | .90 | 1.00 | 1.35 | 1.75 | 2.50 |
| " 10, Floor Flange, Long Base .." | .. | .. | .30 | .60 | .75 | 1.25 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| " 11, 45° Ell, Side Outlet....." | .. | .. | .50 | .70 | .90 | 1.50 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| " 12, 45° Tee, "....." | .. | .. | .55 | .75 | 1.00 | 1.60 | .. | .. | .. | .. | .. | .. | .. | .. | .. |

MALLEABLE REDUCING RAILING FITTINGS

| | | | |
|--------------------------------------|-----|--|------|
| Elbow, 1 1/2 x 1 1/4.....each | .52 | Tee, 2 x 1 1/4.....each | .85 |
| " 2 x 1 1/4....." | .82 | " 2 x 2 x 1 1/2....." | .85 |
| " 2 x 1 1/2....." | .82 | S. O. Tee, 1 1/2 x 1 1/2 x 1 1/4 x 1 1/4....." | .63 |
| S. O. Elbow, 2 x 1 1/2 x 1 1/2....." | .92 | " " 2 x 2 x 1 1/2 x 1 1/2....." | 1.05 |
| Tee, 1 1/4 x 1 1/2....." | .58 | Cross, 1 1/2 x 1 1/2 x 1 1/4 x 1 1/4....." | .67 |
| " 1 1/2 x 1 1/4....." | .58 | " 2 x 2 x 1 1/4 x 1 1/4....." | 1.15 |
| " 1 1/4 x 2....." | .85 | " 2 x 2 x 1 1/2 x 1 1/2....." | 1.15 |
| " 1 1/2 x 1 1/2 x 2....." | .85 | S. O. Cross, 2 x 2 x 1 1/2 x 1 1/2 x 1 1/2....." | 1.55 |

Order by number and size.

Furnished tapped, as shown in illustrations, or right-hand on all openings when so specified, at regular price. Tapped otherwise will be charged at 15 per cent additional price.

Add 50 per cent to list prices for galvanized malleable railing fittings.

ROUGH BRASS FITTINGS

MALLEABLE IRON PATTERN, IRON PIPE THREAD

For Steam Working Pressure up to 125 Pounds

ELBOW



Fig. H-1265

TEE



Fig. H-1266

CROSS



Fig. H-1267

UNION



Fig. H-1268

Effective January 1, 1915

| Size | inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
|---------------------------|--------|---------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|-------|----------------|-------|
| Elbows, 90° | each | .12 | .15 | .20 | .28 | .40 | .63 | .90 | 1.20 | 2.00 | 3.50 | 6.00 | 8.00 | 10.00 |
| “ Reducing | “ | .. | .19 | .25 | .35 | .50 | .80 | 1.10 | 1.50 | 2.50 | 4.25 | 7.50 | 10.00 | 12.50 |
| “ 45° | “ | .16 | .20 | .25 | .31 | .40 | .63 | .90 | 1.20 | 2.00 | 3.50 | 6.00 | 8.00 | 10.00 |
| “ Street | “ | .25 | .27 | .33 | .48 | .63 | .85 | 1.50 | 2.00 | 3.25 | 6.00 | 10.00 | .... | .... |
| Tees | “ | .17 | .21 | .28 | .40 | .55 | .85 | 1.25 | 1.70 | 2.80 | 5.00 | 8.50 | 11.00 | 14.00 |
| “ Reducing | “ | .. | .25 | .35 | .50 | .70 | 1.05 | 1.55 | 2.10 | 3.50 | 6.25 | 10.50 | 14.00 | 17.50 |
| Crosses | “ | .25 | .30 | .40 | .55 | .80 | 1.25 | 1.80 | 2.40 | 4.00 | 7.00 | 12.00 | 16.00 | 20.00 |
| “ Reducing | “ | .. | .38 | .50 | .70 | 1.00 | 1.55 | 2.25 | 3.00 | 5.00 | 8.75 | 15.00 | 20.00 | 25.00 |
| Couplings | “ | .10 | .13 | .17 | .25 | .37 | .55 | .80 | 1.00 | 1.60 | 2.50 | 3.50 | 5.25 | 7.00 |
| “ R. and L. | “ | .13 | .17 | .22 | .30 | .45 | .70 | 1.00 | 1.30 | 2.00 | 3.10 | 4.50 | .... | .... |
| “ Reducing | “ | .. | .15 | .20 | .28 | .40 | .60 | .90 | 1.10 | 1.75 | 2.75 | 4.00 | 6.00 | 8.00 |
| Bushings, Regular | “ | .. | .10 | .12 | .15 | .22 | .35 | .50 | .70 | 1.00 | 1.50 | 2.50 | 3.75 | 5.00 |
| “ Faced | “ | .. | .12 | .15 | .19 | .27 | .44 | .62 | .87 | 1.25 | 1.85 | 3.10 | 4.75 | 6.25 |
| Plugs | “ | .08 | .10 | .12 | .15 | .20 | .30 | .45 | .60 | .95 | 1.50 | 2.25 | 3.75 | 5.00 |
| Caps | “ | .10 | .13 | .16 | .20 | .30 | .42 | .60 | .80 | 1.25 | 2.50 | 3.50 | 5.50 | 7.00 |
| Locknuts | “ | .10 | .10 | .12 | .15 | .20 | .28 | .40 | .55 | .80 | 1.75 | 2.75 | 4.00 | 5.00 |
| Return Bends, Close | “ | .. | .. | .55 | .70 | 1.00 | 1.25 | 1.80 | 2.50 | 4.25 | 7.00 | 10.00 | .... | .... |
| “ “ Open | “ | .. | .. | .60 | .80 | 1.10 | 1.40 | 2.15 | 3.00 | 4.75 | 8.25 | 11.00 | .... | .... |
| “Y” Bends | “ | .. | .. | .60 | .75 | 1.10 | 1.65 | 2.50 | 3.30 | 5.50 | 9.50 | 16.00 | 21.00 | 26.00 |
| Unions | “ | .40 | .50 | .65 | .85 | 1.15 | 1.60 | 2.25 | 2.70 | 4.00 | 7.50 | 11.50 | 20.00 | 27.00 |

Elbows tapped right and left-hand, add 25 per cent to list.

Right and left elbows, tees, crosses, reducers and bushings, reducing more than two sizes, add 25 per cent to list.

BRASS FITTINGS

MALLEABLE IRON PATTERN, IRON PIPE THREAD

For Steam Working Pressure up to 125 Pounds

Effective January 1, 1915

FINISHED

| Size .....inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
|------------------------|---------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|-------|----------------|-------|
| Elbows, 90°.....each | .30 | .35 | .45 | .56 | .75 | 1.10 | 1.55 | 2.00 | 3.00 | 5.50 | 9.00 | 14.00 | 17.50 |
| “ Reducing.. “ | .. | .44 | .55 | .70 | .95 | 1.40 | 1.90 | 2.50 | 3.75 | 6.75 | 11.25 | 17.50 | 22.00 |
| “ 45°..... “ | .38 | .45 | .55 | .66 | .85 | 1.23 | 1.70 | 2.20 | 3.25 | 6.00 | 9.75 | 15.50 | 19.50 |
| “ Street..... “ | .47 | .52 | .63 | .83 | 1.08 | 1.45 | 2.30 | 3.00 | 4.50 | 8.50 | 13.75 | .... | .... |
| Tees..... “ | .42 | .49 | .63 | .80 | 1.05 | 1.50 | 2.15 | 2.80 | 4.20 | 7.75 | 12.75 | 19.50 | 24.50 |
| “ Reducing..... “ | .. | .60 | .77 | 1.00 | 1.30 | 1.85 | 2.65 | 3.50 | 5.25 | 9.75 | 15.80 | 24.50 | 30.50 |
| Crosses..... “ | .60 | .70 | .90 | 1.10 | 1.50 | 2.20 | 3.10 | 4.00 | 6.00 | 11.00 | 18.00 | 28.00 | 35.00 |
| “ Reducing.. “ | .. | .88 | 1.10 | 1.40 | 1.85 | 2.75 | 3.85 | 5.00 | 7.50 | 13.75 | 22.50 | 35.00 | 44.00 |
| Couplings..... “ | .24 | .28 | .36 | .46 | .63 | .90 | 1.30 | 1.60 | 2.35 | 4.00 | 5.75 | 9.75 | 12.50 |
| “ R. and L. “ | .31 | .37 | .47 | .58 | .80 | 1.15 | 1.65 | 2.10 | 3.00 | 5.10 | 7.50 | .... | .... |
| “ Reducing “ | .. | .35 | .45 | .56 | .75 | 1.05 | 1.55 | 1.90 | 2.75 | 4.75 | 7.00 | 12.00 | 15.50 |
| Bushings, Regular. “ | .. | .22 | .27 | .35 | .47 | .70 | 1.00 | 1.40 | 2.00 | 3.00 | 4.50 | 6.25 | 8.00 |
| Plugs..... “ | .23 | .30 | .37 | .43 | .55 | .75 | 1.00 | 1.30 | 1.95 | 3.00 | 4.25 | 6.25 | 8.00 |
| Caps..... “ | .20 | .25 | .31 | .40 | .55 | .77 | 1.10 | 1.50 | 2.25 | 4.00 | 5.50 | 8.00 | 10.00 |
| Locknuts..... “ | .24 | .25 | .32 | .40 | .50 | .65 | .85 | 1.10 | 1.60 | 3.25 | 4.75 | 6.50 | 8.00 |
| Return Bends, Close. “ | .. | .... | 1.30 | 1.55 | 2.05 | 2.65 | 3.75 | 4.90 | 7.25 | 13.00 | 19.00 | .... | .... |
| “ “ Open..... “ | .. | .... | 1.35 | 1.65 | 2.15 | 2.80 | 4.10 | 5.40 | 7.75 | 14.25 | 20.00 | .... | .... |
| “Y” Bends..... “ | .. | .... | 1.35 | 1.60 | 2.15 | 3.05 | 4.45 | 5.70 | 8.50 | 15.50 | 25.00 | 33.00 | 41.00 |
| Unions..... “ | .50 | .60 | .85 | 1.05 | 1.40 | 1.90 | 2.75 | 3.25 | 5.00 | 9.00 | 14.00 | 25.00 | 33.00 |

NICKEL-PLATED

| Size .....inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
|------------------------|---------------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|-------|----------------|-------|
| Elbows, 90°.....each | .36 | .42 | .53 | .65 | .87 | 1.25 | 1.75 | 2.25 | 3.35 | 6.15 | 10.00 | 16.00 | 20.00 |
| “ Reducing.. “ | .. | .52 | .65 | .82 | 1.10 | 1.60 | 2.15 | 2.85 | 4.15 | 7.60 | 12.50 | 20.00 | 25.00 |
| “ 45°..... “ | .45 | .53 | .65 | .78 | 1.00 | 1.43 | 1.95 | 2.55 | 3.65 | 6.85 | 11.00 | 18.00 | 22.50 |
| “ Street..... “ | .54 | .60 | .73 | .95 | 1.23 | 1.65 | 2.55 | 3.35 | 4.90 | 9.35 | 15.00 | .... | .... |
| Tees..... “ | .50 | .58 | .75 | .93 | 1.22 | 1.70 | 2.45 | 3.15 | 4.65 | 8.65 | 14.00 | 22.30 | 28.00 |
| “ Reducing..... “ | .. | .72 | .90 | 1.15 | 1.50 | 2.10 | 3.00 | 3.95 | 5.85 | 10.90 | 17.50 | 28.00 | 35.00 |
| Crosses..... “ | .72 | .84 | 1.05 | 1.30 | 1.75 | 2.50 | 3.50 | 4.50 | 6.70 | 12.30 | 20.00 | 32.00 | 40.00 |
| “ Reducing.. “ | .. | 1.05 | 1.30 | 1.65 | 2.15 | 3.15 | 4.35 | 5.70 | 8.30 | 15.40 | 25.00 | 40.00 | 50.00 |
| Couplings..... “ | .29 | .33 | .42 | .53 | .72 | 1.00 | 1.45 | 1.80 | 2.60 | 4.50 | 6.50 | 11.25 | 14.25 |
| “ R. and L. “ | .37 | .44 | .55 | .67 | .92 | 1.30 | 1.85 | 2.35 | 3.35 | 5.75 | 8.50 | .... | .... |
| “ Reducing “ | .. | .42 | .53 | .65 | .87 | 1.20 | 1.75 | 2.15 | 3.10 | 5.40 | 8.00 | 14.00 | 18.00 |
| Bushings, Regular. “ | .. | .26 | .32 | .42 | .55 | .82 | 1.15 | 1.65 | 2.35 | 3.50 | 5.15 | 7.10 | 9.00 |
| Plugs..... “ | .28 | .37 | .45 | .52 | .67 | .90 | 1.20 | 1.55 | 2.30 | 3.50 | 4.90 | 7.10 | 9.00 |
| Caps..... “ | .23 | .29 | .36 | .47 | .63 | .89 | 1.25 | 1.75 | 2.60 | 4.50 | 6.15 | 8.85 | 11.00 |
| Locknuts..... “ | .29 | .30 | .39 | .48 | .60 | .77 | 1.00 | 1.30 | 1.85 | 3.75 | 5.40 | 7.35 | 9.00 |
| Return Bends, Close. “ | .. | .... | 1.55 | 1.85 | 2.40 | 3.10 | 4.40 | 5.70 | 8.25 | 15.00 | 22.00 | .... | .... |
| “ “ Open..... “ | .. | .... | 1.60 | 1.95 | 2.50 | 3.25 | 4.75 | 6.20 | 8.75 | 16.25 | 23.00 | .... | .... |
| “Y” Bends..... “ | .. | .... | 1.60 | 1.90 | 2.50 | 3.50 | 5.10 | 6.50 | 9.50 | 17.50 | 28.00 | 37.00 | 46.00 |
| Unions..... “ | .60 | .72 | 1.02 | 1.26 | 1.68 | 2.28 | 3.30 | 3.90 | 6.00 | 10.80 | 16.80 | 30.00 | 39.60 |

Elbows tapped right and left-hand, add 25 per cent to list.

Right and left elbows, tees, crosses, reducers and bushings, reducing more than two sizes, add 25 per cent to list.

BRASS FITTINGS, ETC.**NIPPLES, IRON PIPE SIZE****CLOSE****Fig. H-1269****LONG****Fig. H-1270**

| Size Inches | Length Close Inches | LENGTH, INCHES | | | | | | | | | | |
|----------------|---------------------------|----------------|------|------|------|------|------|------|-------|-------|-------|-------|
| | | Close | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 5½ | 6 |
| 1/8 | 3/4 | .11 | .13 | .15 | .17 | .19 | .21 | .23 | .25 | .27 | .29 | .31 |
| 1/4 | 7/8 | .13 | .16 | .19 | .22 | .25 | .28 | .31 | .34 | .37 | .40 | .43 |
| 3/8 | 1 | .15 | .19 | .23 | .27 | .31 | .35 | .39 | .43 | .47 | .51 | .55 |
| 1/2 | 1 1/8 | .23 | .25 | .30 | .35 | .40 | .45 | .50 | .55 | .60 | .65 | .70 |
| 3/4 | 1 3/8 | .28 | .... | .35 | .42 | .49 | .56 | .63 | .70 | .77 | .84 | .91 |
| 1 | 1 1/2 | .37 | .... | .44 | .53 | .62 | .71 | .80 | .89 | .98 | 1.07 | 1.16 |
| 1 1/4 | 1 5/8 | .60 | .... | .... | .75 | .88 | 1.01 | 1.14 | 1.27 | 1.40 | 1.53 | 1.66 |
| 1 1/2 | 1 3/4 | .70 | .... | .... | .90 | 1.05 | 1.20 | 1.35 | 1.50 | 1.65 | 1.80 | 1.95 |
| 2 | 2 | 1.00 | .... | .... | 1.20 | 1.40 | 1.60 | 1.80 | 2.00 | 2.20 | 2.40 | 2.60 |
| 2 1/2 | 2 1/2 | 1.70 | .... | .... | .... | 2.00 | 2.30 | 2.60 | 2.90 | 3.20 | 3.50 | 3.80 |
| 3 | 2 1/2 | 2.50 | .... | .... | .... | 2.90 | 3.30 | 3.70 | 4.10 | 4.50 | 4.90 | 5.30 |
| 3 1/2 | 2 3/4 | 4.00 | .... | .... | .... | .... | .... | 5.40 | 6.00 | 6.60 | 7.20 | 7.80 |
| 4 | 3 | 4.75 | .... | .... | .... | .... | .... | 6.15 | 6.85 | 7.55 | 8.25 | 8.95 |
| 4 1/2 | 3 | 5.50 | .... | .... | .... | .... | .... | 7.20 | 8.05 | 8.90 | 9.75 | 10.60 |
| 5 | 3 1/2 | 8.50 | .... | .... | .... | .... | .... | .... | 10.60 | 11.65 | 12.70 | 13.75 |
| 6 | 3 1/2 | 11.50 | .... | .... | .... | .... | .... | .... | 14.10 | 15.40 | 16.70 | 18.00 |

Polished brass nipples, longer than close, 25 per cent extra.

TABLE OF LENGTHS OF CLOSE AND SHORT NIPPLES

| | | | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 |
| Length, Close.....inches | 3/4 | 7/8 | 1 | 1 1/8 | 1 3/8 | 1 1/2 | 1 5/8 |
| “ Short.....“ | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 2 | 2 | 2 1/2 |
| “ Shoulder.....“ | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 2 | 2 | 2 1/2 |
| Size.....inches | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | ..... |
| Length, Close.....inches | 1 3/4 | 2 | 2 1/2 | 2 1/2 | 2 3/4 | 3 | ..... |
| “ Short.....“ | 2 1/2 | 2 1/2 | 3 | 3 | 4 | 4 | ..... |
| “ Shoulder.....“ | 2 1/2 | 2 1/2 | 3 | 3 | 4 | 4 | ..... |

**SEAMLESS BRASS TUBING
IRON PIPE SIZE****Fig. H-1271****Extras over Base Prices**

| | | | | | | | | | |
|--------------------------------|-------------------|-----|-------|------|-------------------|-------|-------|-------|-------|
| Iron Pipe Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Approx. Wt. per Foot....pounds | .25 | .43 | .62 | .9 | 1.25 | 1.7 | 2.5 | 3 | 4 |
| Price.....per pound | .08 | .07 | .02 | .01 | BASE PRICE | | | | |
| Iron Pipe Size.....inches | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 |
| Approx. Wt. per Foot....pounds | 5.75 | 8.3 | 10.9 | 12.7 | 13.9 | 15.75 | 18.31 | 26.28 | 29.88 |
| Price.....per pound | BASE PRICE | | .01 | .02 | .04 | .06 | .07 | .09 | .11 |

Stock lengths, 12 feet.

STANDARD CAST IRON FITTINGS

STRAIGHT



Fig. H-1272

ELBOWS

REDUCING



Fig. H-1273

45°



Fig. H-1274

STRAIGHT SIZES

| | | | | | | | | | | |
|--------------------|-------|------|-------|------|---------|-------|-------|-------|-------|-------|
| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price, Black..each | .05 | .05 | .06 | .08 | .10 1/2 | .16 | .20 | .28 | .50 | .75 |
| " Galv... " | .10 | .10 | .12 | .16 | .21 | .32 | .40 | .56 | 1.00 | 1.50 |
| Size.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black..each | 1.05 | 1.20 | 1.75 | 2.00 | 2.75 | 4.70 | 6.75 | 9.00 | 13.50 | 20.00 |
| " Galv... " | 2.10 | 2.40 | 3.50 | 4.00 | 5.50 | 9.40 | 13.50 | 18.00 | 27.00 | 40.00 |

REDUCING

| | | | | | | | | | | |
|--------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
| Price, Black..each | .06 | .07 | .09 | .12 | .18 | .23 | .32 | .60 | .85 | 1.20 |
| " Galv... " | .... | .14 | .18 | .24 | .36 | .46 | .64 | 1.20 | 1.70 | 2.40 |
| " Pitched " | .... | .... | .10 | .13 | .20 | .25 | .35 | .65 | 1.00 | 1.30 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .... |
| Price, Black..each | 1.40 | 2.00 | 2.30 | 3.15 | 5.40 | 7.75 | 10.50 | 15.50 | 23.00 | .... |
| " Galv... " | 2.80 | 4.00 | 4.60 | 6.30 | 10.80 | 15.50 | 21.00 | 31.00 | 46.00 | .... |

RIGHT AND LEFT

| | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-------|-------|-----|-------|-----|
| Size .....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price, Black..each | .06 | .06 | .07 | .09 | .12 | .18 | .23 | .32 | .60 | .85 |

The ribs on the band of right and left elbows denote the left-hand thread.

45°

| | | | | | | | | | | |
|--------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
| Price, Black..each | .06 | .07 | .10 | .12 | .19 | .24 | .34 | .60 | .90 | 1.25 |
| " Galv... " | .12 | .14 | .20 | .24 | .38 | .48 | .68 | 1.20 | 1.80 | 2.50 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .... |
| Price, Black..each | 1.45 | 2.20 | 2.50 | 3.45 | 5.90 | 8.50 | 11.25 | 17.00 | 25.00 | .... |
| " Galv... " | 2.90 | 4.40 | 5.00 | 6.90 | 11.80 | 17.00 | 22.50 | 34.00 | 50.00 | .... |

60° AND 22 1/2°

| | | | | | | | | | |
|------------------------|-----|-----|-----|-------|-------|-----|-------|------|------|
| Size .....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| Price, Black .....each | .25 | .30 | .35 | .45 | .50 | .60 | 1.10 | 1.65 | 2.75 |

PITCHED

| | | | | | | | | | |
|------------------------|-----|-----|-------|-------|-----|-------|------|-------|------|
| Size .....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
| Price, Black .....each | .10 | .13 | .20 | .25 | .35 | .65 | 1.00 | 1.30 | 1.50 |

The demand being limited for galvanized reducing cast iron fittings, we do not carry them in stock. We will have them made to order only.

STANDARD CAST IRON FITTINGS

TEE



Fig. H-1275

CROSS



Fig. H-1276

"Y" BRANCH



Fig. H-1277

TEES—Straight Sizes

| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------|-------|------|-------|------|------|-------|-------|-------|-------|-------|
| Price, Black...each | .08 | .08 | .09 | .12 | .15 | .23 | .29 | .41 | .73 | 1.10 |
| " Galv.... " | .16 | .16 | .18 | .24 | .30 | .46 | .58 | .82 | 1.46 | 2.20 |
| Size.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black...each | 1.50 | 1.75 | 2.55 | 3.00 | 4.00 | 6.80 | 9.75 | 13.00 | 19.50 | 29.00 |
| " Galv.... " | 3.00 | 3.50 | 5.10 | 6.00 | 8.00 | 13.60 | 19.50 | 26.00 | 39.00 | 58.00 |

REDUCING TEES

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
|-----------------------|------|-------|------|-------|-------|-------|-------|-------|-------|
| Price, Black.....each | .10 | .14 | .17 | .27 | .33 | .47 | .83 | 1.25 | 1.75 |
| " Galvanized.... " | .20 | .28 | .34 | .54 | .66 | .94 | 1.66 | 2.50 | 3.50 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black.....each | 2.00 | 2.95 | 3.50 | 4.60 | 7.80 | 11.25 | 15.00 | 22.50 | 33.50 |
| " Galvanized.... " | 4.00 | 5.90 | 7.00 | 9.20 | 15.60 | 22.50 | 30.00 | 45.00 | 67.00 |

CROSSES

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
|-----------------------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| Price, Black.....each | .16 | .22 | .27 | .42 | .53 | .75 | 1.30 | 2.00 | 2.70 |
| " Galvanized.... " | .32 | .44 | .54 | .84 | 1.06 | 1.50 | 2.60 | 4.00 | 5.40 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black.....each | 3.15 | 4.60 | 5.50 | 7.25 | 12.25 | 17.50 | 23.50 | 35.00 | 52.50 |
| " Galvanized.... " | 6.30 | 9.20 | 11.00 | 14.50 | 24.50 | 35.00 | 47.00 | 70.00 | 105.00 |

REDUCING CROSSES

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
|-----------------------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| Price, Black.....each | .18 | .25 | .30 | .46 | .60 | .83 | 1.45 | 2.20 | 3.00 |
| " Galvanized.... " | .36 | .50 | .60 | .92 | 1.20 | 1.66 | 2.90 | 4.40 | 6.00 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black.....each | 3.50 | 5.10 | 6.00 | 8.00 | 13.50 | 19.25 | 26.00 | 38.50 | 58.00 |
| " Galvanized.... " | 7.00 | 10.20 | 12.00 | 16.00 | 27.00 | 38.50 | 52.00 | 77.00 | 116.00 |

"Y" BRANCHES

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 |
|-----------------------|------|-------|-------|-------|-------|-------|-------|--------|-------|
| Price, Black.....each | .20 | .28 | .34 | .54 | .66 | .94 | 1.66 | 2.50 | 3.50 |
| " Galvanized.... " | .40 | .56 | .68 | 1.08 | 1.32 | 1.88 | 3.32 | 5.00 | 7.00 |
| Size.....inches | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 10 | 12 | .... |
| Price, Black.....each | 4.00 | 5.90 | 7.00 | 9.20 | 15.60 | 22.50 | 45.00 | 67.00 | .... |
| " Galvanized.... " | 8.00 | 11.80 | 14.00 | 18.40 | 31.20 | 45.00 | 90.00 | 134.00 | .... |

STANDARD CAST IRON FITTINGS

RETURN BENDS

BACK OUTLET

CLOSE PATTERN



Fig. H-1278

Close pattern return bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.



Fig. H-1279

CLOSE PATTERN

| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
|---------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
| Center to Center..... | inches | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ | $3\frac{1}{4}$ | $3\frac{3}{4}$ | $4\frac{1}{4}$ | 6 |
| Price, R. H., Black | each | .18 | .20 | .22 | .28 | .40 | .57 | 1.20 | 1.70 | 5.00 |
| " " Galv. | " | .36 | .40 | .44 | .56 | .80 | 1.14 | 2.40 | 3.40 | 10.00 |
| " R. & L., Black.... | " | .21 | .23 | .26 | .33 | .46 | .66 | 1.40 | 1.95 | 5.25 |
| " L. H., Black | " | .21 | .23 | .26 | .33 | .46 | .66 | 1.40 | 1.95 | 5.25 |
| " R. H., Pitched, Blk. " | " | ... | ... | .26 | .33 | ... | ... | ... | ... | ... |
| " R. & L., Pitched.. " | " | ... | ... | .26 | .33 | ... | ... | ... | ... | ... |

BACK OUTLET

| Size | inches | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
|--------------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Center to Center | inches | $1\frac{1}{8}$ | $2\frac{1}{4}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ | $3\frac{1}{4}$ | $3\frac{3}{4}$ | $4\frac{1}{4}$ |
| Price, Right-Hand, Black | each | .38 | .42 | .60 | .80 | 1.15 | 2.00 | 3.00 |
| " " Galvanized | " | .76 | .84 | 1.20 | 1.60 | 2.30 | 4.00 | 6.00 |
| " Right and Left, Black..... | " | .42 | .48 | .70 | .95 | 1.30 | 2.30 | 3.50 |

OPEN PATTERN



Fig. H-1280

WIDE PATTERN



Fig. H-1281

OPEN PATTERN

| Size..... | inches | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
|---------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Center to Center | inches | $1\frac{1}{8}$ | $2\frac{3}{8}$ | 3 | $3\frac{1}{2}$ | $4\frac{1}{2}$ | $5\frac{1}{2}$ | $6\frac{1}{2}$ | $7\frac{1}{2}$ |
| Price, R. H., Black | each | .26 | .30 | .40 | .55 | .80 | 1.35 | 2.20 | 6.50 |
| " " Galvanized ... | " | .52 | .60 | .80 | 1.10 | 1.60 | 2.70 | 4.40 | 10.00 |
| " R. & L., Black..... | " | .30 | .35 | .46 | .64 | .92 | 1.55 | 2.50 | .... |

WIDE PATTERN

| Size | inches | 1 | 1 | 1 | 1 | 1 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|------------------------|--------|----------------|----------------|----------------|------|------|----------------|----------------|----------------|
| Center to Center | inches | 3 | 4 | 5 | 6 | 8 | 4 | 6 | $4\frac{7}{8}$ |
| Price, Black | each | .45 | .50 | .60 | .75 | 1.00 | 1.00 | 1.25 | 1.30 |
| " Galvanized..... | " | .80 | .90 | 1.10 | 1.30 | 1.60 | 1.75 | 2.00 | 2.30 |
| Size | inches | $1\frac{1}{2}$ | $1\frac{1}{2}$ | 2 | 2 | 2 | 2 | 4 | .... |
| Center to Center..... | inches | 6 | 8 | $4\frac{7}{8}$ | 6 | 7 | 8 | 11 | .... |
| Price, Black | each | 1.60 | 2.00 | 1.75 | 2.00 | 3.00 | 3.50 | 7.50 | .... |
| " Galvanized..... | " | 2.60 | 3.25 | 3.00 | 3.25 | 4.50 | 5.00 | 11.00 | .... |

Return bends not listed will be furnished at special net prices.

STANDARD CAST IRON FITTINGS

ECCENTRIC BUSHING



Fig. H-1282

ECCENTRIC REDUCER



Fig. H-1283



Fig. H-1284

REDUCERS

| | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|-------|-------|
| Size.....inches | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black .....each | 1.85 | 2.00 | 2.70 | 5.35 | 6.75 | 8.35 | 10.00 | 15.00 |
| “ Galvanized..... “ | 3.70 | 4.00 | 5.40 | 10.70 | 13.50 | 16.70 | 20.00 | 30.00 |

ECCENTRIC REDUCERS

| | | | | | | | | | | | |
|-----------------------|-----|-----|------|------|------|------|------|------|------|------|-------|
| Size.....inches | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 8 |
| Price, Black.....each | .55 | .72 | 1.00 | 1.50 | 2.40 | 3.00 | 4.00 | 5.00 | 6.00 | 8.00 | 11.00 |

ECCENTRIC BUSHINGS

| | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-------|
| Size....inches | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price....each | .22 | .25 | .27 | .42 | .60 | .80 | 1.00 | 1.50 | 1.85 | 2.50 | 3.75 | 5.50 | 6.50 | 7.50 | 10.00 |

ECCENTRIC TEES

ECCENTRIC ON RUN

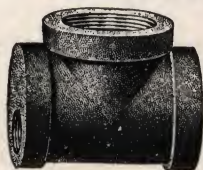


Fig. H-1285

ECCENTRIC ON OUTLET



Fig. H-1286

Eccentric fittings are designed to prevent the accumulation and lodgment of condensation.

Order must be accompanied with sketch, showing position in which the fitting is to be placed.

BLOW-OFF CROSSES

The utility and convenience of this special fitting for feeding and blowing off boilers will recommend its use on all first-class steam plants.

STANDARD

For Steam Working Pressures up to 125 Pounds

| | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 2½x1½ | 2½x2 | 2½x2½ | 3x1½ | 3x2 | 4x2 |
| Price, Black....each | 9.00 | 9.00 | 9.00 | 10.00 | 10.00 | 12.00 |
| Size.....inches | 4x2½ | 5x2½ | 5x3 | 6x2½ | 6x3 | ..... |
| Price, Black....each | 12.00 | 18.00 | 18.00 | 27.00 | 27.00 | ..... |



Fig. H-1287

EXTRA HEAVY

For Steam Working Pressures up to 250 Pounds

Sizes, 2½x2½ inch, 12.00; 3x2 inch 13.50; 4x2 and 4x2½-inch, 16.00 each. Other sizes made to order. Prices on application.

STANDARD CAST IRON FITTINGS

CAP



Fig. H-1288

PLUG



Fig. H-1291

LOCKNUT



Fig. H-1289

BUSHING



Fig. H-1290

COUNTERSUNK PLUG



Fig. H-1292

CAPS

| Size.....inches | 4 | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|-----------------------|------|------|------|------|------|------|------|-------|-------|
| Price, Black.....each | .87 | 1.05 | 1.20 | 1.55 | 2.50 | 2.85 | 4.75 | 5.50 | 7.00 |
| " Galvanized....." | 1.74 | 2.10 | 2.40 | 3.10 | 5.00 | 5.70 | 9.50 | 11.00 | 14.00 |

LOCKNUTS

| Size.....inches | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|-----------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| Price, Black.....each | .27 | .34 | .47 | .64 | .85 | .90 | 1.30 | 1.70 | 2.35 | 2.70 | 3.00 | 4.00 |
| " Galvanized.." | .54 | .68 | .94 | 1.28 | 1.70 | 1.80 | 2.60 | 3.40 | 4.70 | 5.40 | 6.00 | 8.00 |

BUSHINGS

Reducing two or more sizes, up to 2½ inches, inclusive. Reducing one or more sizes, 3 inches and up.

| Size.....inches | ¾ | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Price, Black.....each | .04 | .04 | .05 | .06 | .07 | .09 | .14 | .21 | .30 | .40 |
| " Galvanized....." | .08 | .08 | .10 | .12 | .14 | .18 | .28 | .42 | .60 | .80 |

| Size.....inches | 4 | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .. |
|-----------------------|------|------|------|------|------|------|------|------|-------|----|
| Price, Black.....each | .50 | .75 | .93 | 1.25 | 1.87 | 2.75 | 3.25 | 3.75 | 5.00 | .. |
| " Galvanized....." | 1.00 | 1.50 | 1.85 | 2.50 | 3.75 | 5.50 | 6.50 | 7.50 | 10.00 | .. |

PLUGS

| Size.....inches | ⅛ | ¼ | ⅜ | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Price, Black.....each | .02 | .02 | .02 | .02 | .03 | .04 | .05 | .07 | .10 | .18 | .25 |
| " Galvanized....." | .. | .04 | .04 | .04 | .06 | .08 | .10 | .14 | .20 | .36 | .50 |

| Size.....inches | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .. |
|-----------------------|-----|-----|------|------|------|------|------|------|------|-------|----|
| Price, Black.....each | .38 | .42 | .65 | .88 | 1.20 | 1.85 | 2.75 | 3.25 | 3.75 | 5.00 | .. |
| " Galvanized....." | .76 | .84 | 1.30 | 1.75 | 2.40 | 3.70 | 5.50 | 6.50 | 7.50 | 10.00 | .. |

SPECIAL PLUGS

| Size.....inches | ¼ | ⅜ | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| Countersunk.....each | .. | .. | .04 | .06 | .08 | .09 | .11 | .15 | .30 | .40 | .92 | 1.10 | .... | 2.00 | 3.50 |
| Left-Hand....." | .. | .. | .04 | .06 | .08 | .09 | .11 | .15 | .. | .... | .... | .... | .... | .... | .... |
| Tapped for Air Cock....." | .. | .. | .. | .12 | .15 | .20 | .25 | .30 | .. | .... | .... | .... | .... | .... | .... |
| Solid....." | .04 | .04 | .04 | .06 | .08 | .09 | .11 | .15 | .27 | .38 | .57 | .63 | 1.00 | 1.35 | 1.80 |

LONG SWEEP CAST IRON FITTINGS

No. 1 ELBOW

No. 2 DOUBLE BRANCH ELBOW

No. 3 TEE

No. 4 CROSS



Fig. H-1293



Fig. H-1294



Fig. H-1295



Fig. H-1296

No. 1 ELBOWS

| Size..... inches | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price, Black..... each | .32 | .40 | .55 | .80 | 1.20 | 2.25 | 3.25 | 3.50 |
| “ Galvanized..... “ | .64 | .80 | 1.10 | 1.60 | 2.40 | 4.50 | 6.50 | 7.00 |
| “ Reducing..... “ | .48 | .60 | .83 | 1.20 | 1.80 | 3.38 | 4.88 | 5.25 |
| Size..... inches | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black..... each | 5.50 | 6.50 | 8.75 | 13.00 | 17.00 | 25.50 | 30.00 | 40.00 |
| “ Galvanized..... “ | 11.00 | 13.00 | 17.50 | 26.00 | 34.00 | 51.00 | 60.00 | 80.00 |
| “ Reducing..... “ | 8.25 | 9.75 | 13.13 | 19.50 | 25.50 | 38.25 | 45.00 | 60.00 |

No. 2 DOUBLE BRANCH ELBOWS

No. 2 elbows take double list of No. 1.

No. 3 TEES

| Size..... inches | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 |
|------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| Price, Black..... each | .48 | .60 | .82 | 1.20 | 1.80 | 3.40 | 4.90 | 5.25 |
| “ Galvanized..... “ | .96 | 1.20 | 1.64 | 2.40 | 3.60 | 6.80 | 9.80 | 10.50 |
| “ Reducing..... “ | .72 | .90 | 1.23 | 1.80 | 2.70 | 5.10 | 7.35 | 7.88 |
| Size..... inches | 4½ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Black..... each | 8.25 | 9.75 | 13.25 | 19.50 | 25.50 | 38.00 | 45.00 | 60.00 |
| “ Galvanized..... “ | 16.50 | 19.50 | 26.50 | 39.00 | 51.00 | 76.00 | 90.00 | 120.00 |
| “ Reducing..... “ | 12.38 | 14.63 | 19.88 | 29.25 | 38.25 | 57.00 | 67.50 | 90.00 |

No. 4 CROSSES

| Size..... inches | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 |
|------------------------|-------|-------|-------|-------|--------|--------|--------|-------|
| Price, Black..... each | .85 | 1.10 | 1.50 | 2.15 | 3.20 | 6.00 | 8.75 | 9.50 |
| “ Galvanized..... “ | 1.70 | 2.20 | 3.00 | 4.30 | 6.40 | 12.00 | 17.50 | 19.00 |
| “ Reducing..... “ | .... | 1.65 | 2.25 | 3.23 | 4.80 | 9.00 | 13.13 | 14.25 |
| Size..... inches | 5 | 6 | 7 | 8 | 9 | 10 | 12 | .... |
| Price, Black..... each | 17.50 | 24.00 | 35.00 | 45.00 | 68.00 | 80.00 | 107.00 | .... |
| “ Galvanized..... “ | 35.00 | 48.00 | 70.00 | 90.00 | 136.00 | 160.00 | 214.00 | .... |
| “ Reducing..... “ | 26.25 | 36.00 | 52.50 | 67.50 | 102.00 | 120.00 | 160.50 | .... |

REDUCING SIZES—LONG SWEEP FITTINGS

Nos. 1, 2 and 3 reducing will be made by bushing in the sand.

No. 4 CROSSES

No. 12 STRAIGHT BACK TEES

| | | | | | | |
|-------------|---------|----------|----------|----------|--------|-------|
| 2½x2½x1½x1½ | 5x5x3x3 | 2 x2 x1 | 2½x2 x2 | 3 x2½x2 | 5x5 x3 | 8x8x6 |
| 3 x3 x1½x1½ | 6x6x4x4 | 2 x1½x1½ | 2½x2 x1½ | 2½x2½x3 | 4x4 x5 | 8x8x4 |
| 4 x4 x2½x2½ | 8x8x4x4 | 2 x1½x1 | 3 x3 x2 | 3½x3 x2 | 4x3½x5 | .... |
| 5 x5 x4 x4 | 8x8x6x6 | 2½x2½x2 | 3 x3 x1½ | 4 x4 x2½ | 6x6 x4 | .... |
| ..... | ..... | 2½x2½x1½ | 3 x3 x1½ | 3½x3 x4 | 5x4 x6 | .... |
| ..... | ..... | 2½x2½x1 | 3 x2½x2½ | 3 x3 x4 | 4x4 x6 | .... |

FLANGE UNIONS

FACED, NO GASKETS

CAST IRON

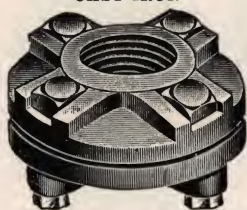


Fig. H-1297

MALLEABLE IRON

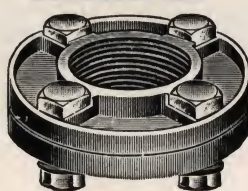


Fig. H-1298

KEWANEE

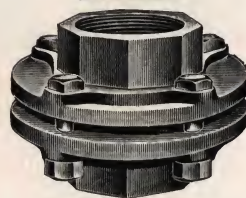


Fig. H-1299

CAST IRON

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
|--------------------------------|--------|--------|-------|--------|--------|--------|-------|
| Diameter of Flanges.....inches | 3 | 3 5/8 | 3 3/4 | 4 1/8 | 4 5/8 | 5 1/4 | 6 |
| Number of Bolts in Each..... | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| Price, Black.....each | .40 | .46 | .52 | .64 | .78 | 1.00 | 1.25 |
| “ Galvanized.....“ | .80 | .92 | 1.04 | 1.28 | 1.56 | 2.00 | 2.50 |
| Size.....inches | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 |
| Diameter of Flanges.....inches | 6 3/4 | 6 7/8 | 8 | 8 3/4 | 9 7/8 | 10 1/2 | 12 |
| Number of Bolts in Each..... | 4 | 4 | 5 | 5 | 5 | 6 | 7 |
| Price, Black.....each | 1.50 | 1.80 | 2.10 | 2.70 | 3.15 | 3.95 | 5.50 |
| “ Galvanized.....“ | 3.00 | 3.60 | 4.20 | 5.40 | 6.30 | 7.90 | 11.00 |
| Size.....inches | 8 | 9 | 10 | 12 | 14 | 15 | 16 |
| Diameter of Flanges.....inches | 13 3/8 | 14 1/4 | 16 | 18 1/4 | 20 5/8 | 20 3/8 | 23 |
| Number of Bolts in Each..... | 8 | 9 | 10 | 12 | 14 | 14 | 16 |
| Price, Black.....each | 7.00 | 10.00 | 11.50 | 16.00 | 28.00 | 35.00 | 60.00 |
| “ Galvanized.....“ | 14.00 | 20.00 | 23.00 | 32.00 | 56.00 | 70.00 | .... |

MALLEABLE IRON

| Size.....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|--------------------------------|-------|-------|-------|-------|--------|--------|-------|
| Diameter of Flanges.....inches | 2 7/8 | 3 1/4 | 3 3/4 | 4 5/8 | 5 1/2 | 6 | 6 3/4 |
| Number of Bolts in Each..... | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Price, Black.....each | 1.40 | 1.60 | 2.00 | 2.50 | 3.00 | 3.50 | 4.40 |
| “ Galvanized.....“ | 2.80 | 3.20 | 4.00 | 5.00 | 6.00 | 7.00 | 8.80 |
| Size.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 8 | .... |
| Diameter of Flanges.....inches | 7 1/2 | 8 | 8 5/8 | 9 3/8 | 10 5/8 | 13 1/8 | .... |
| Number of Bolts in Each..... | 4 | 5 | 5 | 5 | 6 | 7 | .... |
| Price, Black.....each | 5.25 | 6.00 | 7.00 | 8.00 | 9.00 | 18.00 | .... |
| “ Galvanized.....“ | 10.50 | 12.00 | 14.00 | 16.00 | 18.00 | 36.00 | .... |

KEWANEE

| Size.....inches | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price, Black.....each | .80 | 1.20 | 1.60 | 2.00 | 3.20 | 4.80 | 6.00 | 7.50 |
| “ Galvanized.....“ | 1.20 | 1.80 | 2.40 | 3.00 | 4.80 | 7.20 | 9.00 | 11.25 |
| Size.....inches | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | .... |
| Price, Black.....each | 8.75 | 10.00 | 12.50 | 15.00 | 18.00 | 21.60 | 28.80 | .... |
| “ Galvanized.....“ | 13.00 | 15.00 | 18.75 | 22.50 | 27.00 | 32.40 | 43.20 | .... |

BRANCH TEES

No. 1, FOR CIRCULATION



Fig. H-1300

No. 2, FOR CIRCULATION



Fig. H-1301

No. 3, FOR BOX COILS



Fig. H-1302

| Number of Branches | 1-INCH | | | 1¼-INCH | | | 1½-INCH | | | 2-INCH | | |
|-----------------------|-------------------------------|------|------|------------------------------|------|-------|-------------------------------|-------|-------|-------------------------------|------------|-------|
| | 2½ Inches Center to Center | | | 3 Inches Center to Center | | | 3½ Inches Center to Center | | | 4½ Inches Center to Center | | |
| | SIZE OF RUN, INCHES | | | | | | | | | | | |
| | 1 or 1¼ | 1½ | 2 | 1¼ or 1½ | 2 | 2½ | 1½ or 2 | 2½ | 3 | 2 | 2½ or 3 | 3½ |
| 2 | .90 | 1.00 | 1.15 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 3 | 1.05 | 1.15 | 1.35 | 1.65 | 1.90 | 2.40 | 2.70 | 3.45 | 3.80 | 5.25 | 5.75 | 6.25 |
| 4 | 1.15 | 1.30 | 1.60 | 2.00 | 2.40 | 2.85 | 3.35 | 4.15 | 4.60 | 6.40 | 7.00 | 7.75 |
| 5 | 1.35 | 1.45 | 1.85 | 2.40 | 2.90 | 3.55 | 4.00 | 5.00 | 5.50 | 7.65 | 8.50 | 9.25 |
| 6 | 1.60 | 1.75 | 2.10 | 2.80 | 3.30 | 3.95 | 4.65 | 5.75 | 6.25 | 8.80 | 9.75 | 10.75 |
| 7 | 1.90 | 2.20 | 2.45 | 3.20 | 3.90 | 4.20 | 5.25 | 6.50 | 7.25 | 10.60 | 11.75 | 13.00 |
| 8 | 2.20 | 2.45 | 2.75 | 3.60 | 4.50 | 4.95 | 5.85 | 7.00 | 7.75 | 11.50 | 12.75 | 14.00 |
| 9 | 2.65 | 2.90 | 3.40 | 4.30 | 5.25 | 6.15 | 6.50 | 8.25 | 9.00 | 12.25 | 13.50 | 15.00 |
| 10 | .... | 3.30 | 4.00 | 4.80 | 5.85 | 6.85 | 7.60 | 9.25 | 10.00 | 13.50 | 15.00 | 16.50 |
| 11 | .... | 4.50 | 4.80 | 5.00 | 6.25 | 7.25 | 8.00 | 9.75 | 10.75 | .... | .... | .... |
| 12 | .... | 4.75 | 5.10 | 5.25 | 6.50 | 7.65 | 8.50 | 10.50 | 11.50 | .... | .... | .... |
| 13 | .... | 5.50 | 6.00 | 6.00 | 7.00 | 8.25 | .... | .... | .... | .... | .... | .... |
| 14 | .... | 7.00 | 7.25 | 6.75 | 7.75 | 9.00 | .... | .... | .... | .... | .... | .... |
| 15 | .... | 7.50 | 7.75 | 7.50 | 8.50 | 9.75 | .... | .... | .... | .... | .... | .... |
| 16 | .... | 8.00 | 8.25 | 8.50 | 9.50 | 10.75 | .... | .... | .... | .... | .... | .... |

All openings in branch tees for circulation are tapped right-hand.

Branch tees for box coils are always tapped left-hand in branches and right-hand in back inlet.

The run and back opening of branch tees are tapped the same size as branches unless otherwise ordered.

1-inch branch tees, 1-inch or 1¼-inch run, are 1¾ inches inside diameter.

1-inch branch tees, 1½-inch or 2-inch run, are 2¼ inches inside diameter.

1¼-inch branch tees are all 2½ inches inside diameter.

1½-inch branch tees are all 2¾ inches inside diameter.

2-inch branch tees are all 3½ inches inside diameter.

Always order branch tees by size and number.

HOOK AND EXPANSION PLATES, ETC.

CAST IRON
HOOK PLATE

Fig. H-1303

EXPANSION
HOOK PLATE

Fig. H-1304

SINGLE
HOOK

Fig. H-1305

BEAM
HOOK

Fig. H-1306

LAUNDRY
COIL STAND

Fig. H-1307

CAST IRON HOOK PLATES AND SINGLE HOOKS

| Number of Hooks..... | 1 | 2 | 3 | 4 | 5 | 6 |
|--|-----|-----|-----|-----|------|------|
| For 1- in. Pipe, 2½ in. between Centers.. each | .09 | .18 | .23 | .26 | .32 | .38 |
| “ 1¼ “ “ 3 “ “ “ “ | .10 | .21 | .27 | .32 | .41 | .52 |
| “ 1½ “ “ 3½ “ “ “ “ | .15 | .28 | .43 | .58 | .72 | .88 |
| “ 2 “ “ 4½ “ “ “ “ | .22 | .43 | .65 | .90 | 1.15 | 1.35 |

EXPANSION HOOK PLATES

| Number of Hooks..... | 1 | 2 | 3 | 4 | 5 | 6 |
|--|-----|-----|-----|------|------|------|
| For 1- in. Pipe, 2½ in. between Centers.. each | .15 | .25 | .35 | .50 | .60 | .70 |
| “ 1¼ “ “ 3 “ “ “ “ | .17 | .27 | .40 | .60 | .70 | .80 |
| “ 1½ “ “ 3½ “ “ “ “ | .25 | .40 | .60 | .75 | .90 | 1.00 |
| “ 2 “ “ 4½ “ “ “ “ | ... | .60 | .85 | 1.00 | 1.35 | 1.55 |

When hook plates are ordered, specifying a greater number of hooks than listed above, we will send two; for instance, an order calling for 2—2x8 hook plates we will send four 2x4.

BEAM HOOKS, LONG SHANK

| Size | 1½ inches | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 |
|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|
| Price | .13 | .15 | .18 | .22 | .24 | .35 | .65 | .90 |

LAUNDRY COIL STANDS

With Movable Hook Plates for 1-inch Pipe

| Pipes High..... | 4 | 6 | 8 | 10 |
|-----------------|------|------|------|------|
| Price | 2.00 | 2.75 | 3.50 | 4.25 |

Extra hooks, complete, for 1-inch pipe, 6 cents; 1¼-inch, 8 cents; 1½-inch, 10 cents; and 2-inch, 15 cents each, net.

EXPANSION PIPE HANGERS

STYLE S
For 6-inch Pipe and
Smaller



Fig. H-1308

STYLE SS
For 8-inch Pipe and
Smaller



Fig. H-1309

WITH SOLID RING
For 8-inch Pipe and
Smaller



Fig. H-1310

STYLE S WITH SECTIONAL RING

| | | | | | | | | | | | | | | |
|---|-----|-----|-------|-------|-----|-------|-----|-------|------|-------|------|------|------|------|
| Size.....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 |
| Price.....each | .32 | .33 | .35 | .45 | .55 | .65 | .80 | 1.00 | 1.15 | 1.60 | 2.00 | 2.50 | 3.00 | 3.75 |
| Size of Pipe, Rings and Buttons are Tapped for..inches | 1/8 | 1/8 | 1/8 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/4 | 3/4 | 3/4 | 3/4 |

STYLE SS WITH BEAM CLAMP

| | | | | | | | | | | | | | | |
|--|------|------|-------|-------|------|-------|------|-------|------|-------|------|------|------|------|
| Size...inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 |
| Price....each | 1.00 | 1.00 | 1.05 | 1.15 | 1.25 | 1.35 | 1.50 | 1.70 | 1.85 | 3.35 | 3.75 | 4.25 | 4.75 | 5.50 |
| S. of P., R. and B. are Tapped for, in. | 1/8 | 1/8 | 1/8 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/4 | 3/4 | 3/4 | 3/4 |

Beam clamps only, up to 4 1/2-inch, .75 each; 5 to 8-inch, 1.75 each.

WITH SOLID RING

| | | | | | | | | | | | | | | | |
|--|-----|-----|-----|-------|-------|-----|-------|-----|-------|-----|-------|------|------|------|------|
| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 |
| Price, Complete....each | .17 | .17 | .18 | .19 | .25 | .29 | .36 | .44 | .55 | .63 | .90 | 1.12 | 1.35 | 1.80 | 2.25 |
| Size of Pipe, Rings and Buttons are Tapped for, in. | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 |

PARTS OF SOLID RING EXPANSION PIPE HANGERS

| | | | | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-------|-------|-----|-------|-----|-------|-----|-------|------|------|------|------|
| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 |
| Price, Plates.....each | .08 | .08 | .08 | .08 | .09 | .09 | .10 | .10 | .10 | .10 | .10 | .10 | .10 | .10 | .10 |
| “ Buttons..... “ | .06 | .06 | .06 | .06 | .07 | .07 | .08 | .08 | .08 | .08 | .08 | .08 | .08 | .08 | .08 |
| “ Rings..... “ | .08 | .08 | .12 | .15 | .20 | .25 | .30 | .40 | .50 | .60 | .80 | 1.00 | 1.25 | 1.70 | 2.15 |

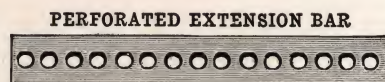
Prices do not include such parts as expansion pipe, rod, or turnbuckles; these will be at an extra price and furnished only when so specified. If expansion pipe or rod is desired, state distance from center of pipe to support.

PIPE HANGERS AND CLAMPS



HANGER COMPLETE

Fig. H-1311



PERFORATED EXTENSION BAR

Fig. H-1312



LAG SCREW

Fig. H-1313

ADJUSTABLE STEEL HANGERS

| Size of Pipe.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|--|-----|-----|-----|-------|-------|-----|-------|-----|
| Price, Adjustable Length, 2 to 10 in..each | .18 | .18 | .18 | .20 | .22 | .25 | .30 | .35 |
| " " " 10 " 16 " " | .21 | .21 | .21 | .23 | .25 | .28 | .33 | .38 |
| " " " 16 " 22 " " | .24 | .24 | .24 | .26 | .28 | .31 | .36 | .41 |
| " Rings with Bolts..... " | .08 | .08 | .09 | .10 | .12 | .14 | .16 | .18 |
| " Extension Bars.....per foot | .09 | .09 | .09 | .09 | .09 | .10 | .10 | .11 |
| " Hanger Screws.....each | .05 | .05 | .05 | .05 | .05 | .07 | .07 | .10 |
| " Lag " "..... " | .13 | .13 | .13 | .13 | .13 | .15 | .15 | .15 |

| Size of Pipe.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | .... |
|--|-------|-----|-------|-----|-----|------|------|------|
| Price, Adjustable Length, 2 to 10 in..each | .37 | .45 | .50 | .58 | .70 | 1.05 | 1.20 | .... |
| " " " 10 " 16 " " | .40 | .48 | .53 | .61 | .74 | 1.10 | 1.25 | .... |
| " " " 16 " 22 " " | .43 | .51 | .56 | .64 | .79 | 1.15 | 1.30 | .... |
| " Rings with Bolts..... " | .20 | .25 | .30 | .35 | .45 | .55 | .65 | .... |
| " Extension Bars.....per foot | .11 | .11 | .11 | .16 | .16 | .20 | .20 | .... |
| " Hanger Screws.....each | .10 | .10 | .10 | .12 | .12 | .18 | .18 | .... |
| " Lag " "..... " | .18 | .18 | .18 | .18 | .18 | .22 | .22 | .... |

ONE-PIECE HANGER



Fig. H-1314

I-BEAM CLAMP



Fig. H-1315

ONE-PIECE HANGERS

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|--|-----|-----|-----|-------|-------|-----|-------|-----|
| Price, Adjustable Length, 2 to 12 in..each | .15 | .15 | .16 | .17 | .18 | .20 | .25 | .30 |
| " " " 2 " 20 " .. " | .19 | .19 | .20 | .21 | .22 | .24 | .30 | .35 |

| Size.....inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | .... |
|--|-------|-----|-------|-----|-----|-----|-----|------|
| Price, Adjustable Length, 2 to 12 in..each | .35 | .40 | .45 | .50 | .60 | .80 | .90 | .... |
| " " " 2 " 20 " .. " | .40 | .45 | .50 | .55 | .65 | .85 | .95 | .... |

I-BEAM CLAMPS

| Size of Beam....inches | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 | 6 | 7 | 8 |
|-------------------------|------|-------|-----|-------|-----|-------|-----|-------|-----|------|------|
| Price, Standard... each | .35 | .35 | .38 | .38 | .40 | .40 | .50 | .50 | .55 | .60 | .70 |
| " Ex. Heavy.. " | .... | .... | .60 | .65 | .70 | .75 | .80 | .85 | .90 | 1.10 | 1.20 |

PIPE HANGERS, HOOKS, ETC.

PIPE HANGERS

SOLID RING EXTENSION



Fig. H-1316



Fig. H-1317

SPLIT RING SWIVEL BASE



Fig. H-1318

SPLIT RING CONCEALED SCREW



Fig. H-1319

SPLIT RING EXTENSION



Fig. H-1320

SOLID RING

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|-------------------------------|---------|---------------|---------------|---------------|-------|----------------|----------------|-------|
| Price, Solid Ring, Plain..... | per 100 | 5.00 | 5.00 | 5.80 | 7.75 | 10.00 | 14.00 | 22.00 |
| “ “ Galvanized.. “ | | 6.50 | 6.50 | 7.00 | 9.00 | 12.00 | 16.00 | 25.00 |
| “ Solid Ring, Ext. Plain... “ |  | .... | 6.50 | 8.00 | 10.00 | 12.00 | 15.00 | .... |
| “ “ “ Galv'd.. “ |  | .... | 8.00 | 10.00 | 12.00 | 14.00 | 18.00 | .... |

SPLIT RING, SWIVEL BASE, OR CONCEALED SCREW

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|------------------------|---------|---------------|---------------|---------------|-------|----------------|----------------|-------|
| Price, Galvanized..... | per 100 | 17.00 | 17.00 | 20.00 | 25.00 | 30.00 | 40.00 | 50.00 |

SPLIT RING, EXTENSION—With Nipples up to 4 Inches Long

| Size..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
|----------------------------|--------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|------|------|
| Price, Plain ..each | | .22 | .22 | .27 | .32 | .35 | .40 | .50 | .70 | .90 | 1.10 |
| “ Galvanized. “ | | .25 | .25 | .30 | .35 | .40 | .50 | .60 | .80 | 1.00 | 1.25 |
| Price, Plain w'ho't Nip. “ | | .17 | .17 | .22 | .27 | .30 | .35 | .45 | .65 | .80 | 1.00 |
| “ Galv. “ “ “ | | .20 | .20 | .25 | .30 | .35 | .45 | .55 | .70 | .90 | 1.15 |

GAS PIPE HOOK



Fig. H-1321

SOIL PIPE HOOK



Fig. H-1322

TINNED STRAPS



Fig. H-1323

GAS PIPE HOOKS AND TINNED STRAPS

| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|---------------------------------|--------|---------------|---------------|---------------|---------------|------|----------------|----------------|------|
| Price, Gas Pipe Hooks...per 100 | | .45 | .55 | .65 | .80 | 1.00 | 1.30 | 1.60 | 2.00 |
| “ Tinned Straps...per pound | | .30 | .30 | .30 | .30 | .30 | .30 | .30 | .30 |

SOIL PIPE HOOKS

| Size..... | inches | 2 | 3 | 4 | 5 | 6 | 8 |
|------------|--------|-----|-----|-----|-----|-----|-----|
| Price..... | each | .08 | .10 | .12 | .15 | .20 | .40 |

REZNOR WIRE PIPE HOOKS

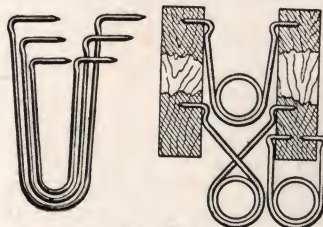


Fig. H-1324

| Pipe Size In. | LENGTH OF HOOK, INCHES, AND PRICE PER THOUSAND | | | | | | | |
|----------------|--|------|-------|-------|-------|-------|-------|-------|
| | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| $\frac{3}{8}$ | 5.10 | 5.60 | 6.30 | 7.00 | .... | .... | .... | .... |
| $\frac{1}{2}$ | 5.40 | 6.10 | 6.80 | 7.70 | 8.60 | 9.60 | .... | .... |
| $\frac{3}{4}$ | .... | 6.60 | 7.30 | 8.40 | 9.50 | 10.90 | .... | .... |
| 1 | .... | 7.50 | 8.80 | 10.00 | 11.10 | 12.30 | 14.00 | .... |
| $1\frac{1}{4}$ | .... | 9.60 | 11.00 | 12.60 | 14.00 | 15.40 | 17.40 | .... |
| $1\frac{1}{2}$ | .... | .... | 12.00 | 13.60 | 15.00 | 16.60 | 19.40 | 22.60 |
| 2 | .... | .... | 12.40 | 14.00 | 15.40 | 17.00 | 21.40 | 23.00 |

TOGGLE BOLTS AND DRILLS

TOGGLE BOLTS



Fig. H-1325



Fig. H-1326

STEEL—PRICE, PER 100

| Diam. of Screw, In. | LENGTH OF SCREW, INCHES | | | | | | | |
|------------------------|-------------------------|------|------|-------|-------|-------|-------|-------|
| | 1½ | 2 | 2½ | 3 | 3½ | 4 | 5 | 6 |
| ¾ | 3.65 | 3.75 | 3.85 | 4.00 | 4.15 | 4.25 | 4.40 | 4.50 |
| 1¼ | .... | .... | .... | 5.25 | 5.50 | 5.75 | 6.00 | 6.50 |
| 1½ | .... | .... | .... | 8.00 | 8.50 | 9.00 | 9.50 | 10.00 |
| 1¾ | .... | .... | .... | 10.00 | 10.25 | 10.50 | 11.50 | 12.00 |

DIAMOND, WITH ROUND HEAD BOLT—PRICE, PER 100

| Diam. of Screw, In. | LENGTH OF SCREW, INCHES | | | | |
|------------------------|-------------------------|------|------|------|------|
| | 3 | 3½ | 4 | 5 | 6 |
| 3/16 | 4.50 | 4.70 | 5.00 | 5.20 | 5.70 |
| 1/4 | 6.10 | 6.50 | 6.90 | 7.90 | 8.50 |



Fig. H-1327

DIEXCO EXTENSION DRILLS

Diexco Drill Heads are made of tool steel and carefully tempered. Can be made any length by use of pipe cut to length desired. Are tapped standard pipe sizes.

| | | | | | | | |
|---------------------------|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|
| Number | 2 | 3 | 4 | 5 | 5A | 6 | 6A |
| Size of Pipe Thread | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{3}{4}$ |
| Will Drill Hole | $\frac{9}{16}$ | $\frac{11}{16}$ | $\frac{7}{8}$ | 1 | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{3}{8}$ |
| Price, without Pipe | .25 | .25 | .25 | .25 | .30 | .35 | .65 |
| Number | 7 | 7A | 8 | 9 | 9A | 10 | 10A |
| Size of Pipe Thread | $\frac{3}{4}$ | 1 | 1 | 1 | 1 | 1 | 1 |
| Will Drill Hole | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 2 | $2\frac{1}{4}$ | $2\frac{1}{2}$ | $2\frac{3}{4}$ | 3 |
| Price, without Pipe | .75 | .90 | 1.00 | 1.50 | 1.85 | 2.25 | 2.60 |

SOLID STEEL STAR DRILLS



Fig. H-1328

| | | | | | | | | | | | | |
|------------------------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|------|----------------|----------------|----------------|
| Will Drill Hole.....inches | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1 | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
| Price, 12-inch Length...each | .75 | .75 | .75 | .75 | .85 | 1.00 | 1.20 | 1.35 | 1.50 | 1.70 | 1.85 | 2.00 |
| " 18 " " " " | .... | .... | .90 | .95 | 1.05 | 1.25 | 1.45 | 1.70 | 1.90 | 2.10 | 2.30 | 2.50 |
| " 24 " " " " | .... | .... | .... | 1.15 | 1.25 | 1.50 | 1.70 | 1.90 | 2.10 | 2.30 | 2.50 | 2.75 |

SEBCO EXPANSION BOLTS

MALLEABLE EXPANSION SHIELD
WITH LAG SCREWS

Fig. H-1329

SCREW ANCHOR
FOR WOOD SCREWS

Fig. H-1330

Effective January 1, 1911

PRICE, PER HUNDRED, WITH SQUARE HEAD BOLTS

| Diameter..inches | | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/4 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Length, Inches | 1 1/2 | 7.84 | 8.98 | 10.13 | 11.60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 2 | 7.88 | 9.07 | 10.85 | 11.65 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 2 1/2 | 7.93 | 9.16 | 11.00 | 11.85 | 15.90 | 20.30 | 24.15 | 31.70 | 48.30 | ..... | ..... | ..... |
| | 3 | 7.99 | 9.28 | 11.25 | 12.00 | 16.10 | 20.50 | 24.45 | 32.10 | 48.85 | ..... | ..... | ..... |
| | 4 | 8.17 | 9.55 | 11.50 | 12.35 | 16.40 | 20.80 | 25.35 | 32.90 | 50.00 | ..... | ..... | ..... |
| | 5 | ..... | ..... | 11.85 | 12.65 | 16.90 | 21.15 | 25.90 | 33.75 | 51.05 | ..... | ..... | ..... |
| | 6 | ..... | ..... | 12.20 | 13.00 | 17.35 | 21.50 | 26.45 | 34.60 | 52.20 | 68.90 | 79.55 | ..... |
| | 7 | ..... | ..... | ..... | 13.30 | 17.65 | 21.80 | 27.00 | 35.40 | 53.30 | 70.00 | 81.65 | ..... |
| | 8 | ..... | ..... | ..... | ..... | 18.00 | 22.15 | 27.55 | 36.25 | 54.45 | 71.10 | 83.70 | 174.45 |
| | 9 | ..... | ..... | ..... | ..... | ..... | 22.50 | 28.10 | 37.10 | 55.55 | 72.20 | 85.75 | 181.10 |
| | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 37.95 | 56.65 | 73.30 | 87.75 | 187.75 |
| | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 38.80 | 57.75 | 74.40 | 89.90 | 194.45 |
| | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 39.60 | 58.90 | 75.55 | 92.00 | 201.10 |

SHIELDS ONLY

| Diam. of Screws, inches | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/4 |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Price.....per hundred | 7.40 | 8.40 | 9.40 | 10.50 | 13.35 | 17.75 | 22.00 | 27.80 | 39.95 | 53.30 | 66.60 | 100.00 |

SEBCO SCREW ANCHORS—PRICE, PER HUNDRED,
WITHOUT SCREWS

| Inside Diameter of Anchor Inches | Length of Anchor Inches | Outside Diameter of Anchor Inches | Diameter of Drill Inches | Anchor Fit Screw Numbers | Price Anchors only | Number in Box |
|----------------------------------|-------------------------|-----------------------------------|--------------------------|--------------------------|--------------------|---------------|
| 1/8 | 1 1/2 | 1/4 | 1/4 | 5-6-7-8 | 4.40 | 100 |
| 1/8 | 5/8 | 1/4 | 1/4 | 5-6-7-8 | 4.40 | 100 |
| 1/8 | 3/4 | 1/4 | 1/4 | 5-6-7-8 | 4.40 | 100 |
| 3/16 | 1 1/2 | 5/16 | 5/16 | 9-10-11-12 | 5.00 | 100 |
| 3/16 | 3/4 | 5/16 | 5/16 | 9-10-11-12 | 5.00 | 100 |
| 3/16 | 1 | 5/16 | 5/16 | 9-10-11-12 | 5.00 | 100 |
| 3/16 | 1 5/8 | 5/16 | 5/16 | 9-10-11-12 | 6.25 | 100 |
| 1/4 | 1 1/2 | 3/8 | 3/8 | 13-14-15 | 5.60 | 100 |
| 1/4 | 3/4 | 3/8 | 3/8 | 13-14-15 | 5.60 | 100 |
| 1/4 | 1 | 3/8 | 3/8 | 13-14-15 | 5.60 | 100 |
| 1/4 | 1 1/2 | 3/8 | 3/8 | 13-14-15 | 6.75 | 100 |
| 1/4 | 2 | 3/8 | 3/8 | 13-14-15 | 7.80 | 100 |
| 5/16 | 3/4 | 7/16 | 7/16 | 16-17-18 | 6.25 | 100 |
| 5/16 | 1 | 7/16 | 7/16 | 16-17-18 | 6.25 | 100 |
| 5/16 | 1 1/2 | 7/16 | 7/16 | 16-17-18 | 7.50 | 100 |
| 5/16 | 2 | 7/16 | 7/16 | 16-17-18 | 8.75 | 100 |
| 3/8 | 1 | 7/16 | 7/16 | 20-22-24 | 7.50 | 100 |
| 3/8 | 2 | 7/16 | 7/16 | 20-22-24 | 9.50 | 100 |
| 3/8 | 2 | 1 1/8 | 1 1/8 | 26-28-30 | 14.50 | 100 |
| 5/8 | 2 | 1 1/8 | 1 1/8 | 5/8-in. Lag Screw | 18.00 | 100 |
| 5/8 | 3 1/2 | 1 1/8 | 1 1/8 | 5/8-in. Lag Screw | 21.00 | 100 |

FLOOR AND CEILING PLATES

SPLIT CEILING PLATE

FLOOR PLATE WITH GROOVE



Fig. H-1331

SOLID CEILING PLATE



Fig. H-1332

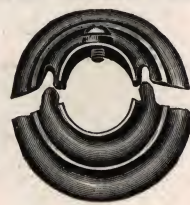


Fig. H-1333

| | | | | | | | | | | | | | | |
|------------------------------|--------|------|-----|-----|-------|-------|-----|-------|-----|-------|------|------|------|------|
| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 | 8 |
| Price, Floor Plates | each | .06 | .06 | .08 | .11 | .14 | .16 | .24 | .30 | .35 | .42 | .60 | .75 | 1.75 |
| " Solid Ceiling Plates | " | .11 | .13 | .16 | .18 | .23 | .27 | .36 | .50 | .55 | .68 | .95 | 1.25 | .... |
| " Split " ..... | " | .... | .22 | .28 | .32 | .40 | .50 | .65 | .90 | 1.00 | 1.20 | 2.00 | 2.50 | 3.75 |

ADJUSTABLE FLOOR AND CEILING PLATES

TOP VIEW

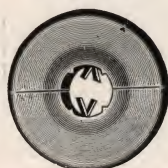


Fig. H-1334

BOTTOM VIEW

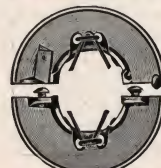


Fig. H-1335

| | | | | | | | | | | | |
|-----------------------|--------|-----|-----|-----|-------|-------|-----|-------|-----|-------|------|
| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
| Price, Plain | each | .16 | .17 | .20 | .22 | .25 | .30 | .50 | .65 | .80 | 1.00 |
| " Nickel-plated | " | .27 | .28 | .32 | .35 | .38 | .45 | .65 | .80 | 1.00 | 1.25 |

B & C FLOOR AND CEILING PLATES

No. 3
FLOOR AND CEILING
PLATE
WITH SET SCREW

Fig. H-1336

No. 6
FLOOR PLATE

Fig. H-1337

No. 7
FLOOR AND CEILING
PLATE
WITH SPRINGS

Fig. H-1338

No. 10
PERFECTION
HINGED
STEEL AND BRASS

Fig. H-1339

| | | | | | | | | | | | |
|----------------------------------|--------|------|------|------|------|------|-------|-------|------|-------|------|
| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price, Black | each | .14 | .15 | .16 | .17 | .20 | .22 | .25 | .30 | .50 | .65 |
| " Nickel-plated | " | .25 | .26 | .27 | .28 | .32 | .35 | .38 | .45 | .65 | .80 |
| " Cast Brass, Nos. 3, 6 and 7.. | " | 1.00 | 1.00 | 1.00 | 1.20 | 1.30 | 1.60 | 1.80 | 2.00 | 2.50 | 3.00 |
| " Brass, Pol. or N. P., No. 10.. | " | .60 | .60 | .62 | .65 | .72 | .80 | .85 | 1.00 | 1.50 | 1.80 |

| | | | | | | | | | | | |
|---------------------------------|--------|-------|------|-------|------|------|-------|-------|-------|-------|------|
| Size | inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 8 | 9 | 10 | .... |
| Price, Black | each | .80 | 1.00 | 1.25 | 1.50 | 1.75 | 2.00 | 2.25 | 2.50 | 2.75 | .... |
| " Nickel-plated | " | 1.00 | 1.25 | 1.50 | 1.75 | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | .... |
| " Cast Brass, Nos. 3, 6 and 7.. | " | 4.00 | 5.00 | 6.00 | 7.00 | 9.00 | 10.00 | 12.00 | 14.00 | 16.00 | .... |

No. 10, sizes 3/8 to 3-inch only.

STANDARD BRASS VALVES

WITH BRASS DISC

GLOBE



Fig. H-1340

ANGLE



Fig. H-1341

CROSS



Fig. H-1342

GLOBE, ANGLE AND CROSS—SCREWED

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|-----------------------|------|------|------|------|------|------|-------|-------|------|-------|-------|-------|-------|
| Globe or Angle...each | .72 | .72 | .77 | 1.00 | 1.26 | 1.80 | 2.52 | 3.50 | 5.30 | 10.00 | 14.40 | 26.50 | 36.00 |
| Cross....." | .... | 1.25 | 1.25 | 1.50 | 2.00 | 2.50 | 3.50 | 5.00 | 8.00 | 16.00 | 24.00 | .... | .... |

GLOBE AND ANGLE—FLANGED

| Size.....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|---------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Diam. of Flanges...inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 7 1/2 | 8 1/2 | 9 |
| Price.....each | 5.00 | 6.75 | 8.50 | 10.50 | 16.00 | 23.00 | 35.00 | 50.00 | 70.00 |

CHECK

HORIZONTAL

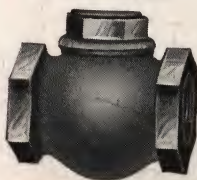


Fig. H-1343

ANGLE



Fig. H-1344

VERTICAL



Fig. H-1345

SWING

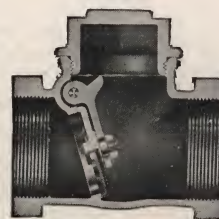


Fig. H-1346

HORIZONTAL, ANGLE AND VERTICAL CHECK—SCREWED

| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|---------------------|------|------|------|------|------|------|-------|-------|------|-------|-------|-------|-------|
| Horizontal.....each | .65 | .65 | .70 | .90 | 1.15 | 1.60 | 2.25 | 3.15 | 4.75 | 9.00 | 13.00 | 24.00 | 32.50 |
| Angle....." | .... | .72 | .77 | 1.00 | 1.26 | 1.80 | 2.52 | 3.50 | 5.30 | 10.00 | 14.40 | .... | .... |
| Vertical....." | .... | .72 | .77 | 1.00 | 1.26 | 1.80 | 2.52 | 3.50 | 5.30 | .... | .... | .... | .... |
| Swing....." | .... | .... | 1.80 | 2.00 | 2.25 | 2.80 | 3.65 | 4.75 | 6.75 | 15.00 | 24.00 | .... | .... |

HORIZONTAL CHECK—FLANGED

| Size.....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|---------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Diam. of Flanges...inches | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 7 1/2 | 8 1/2 | 9 |
| Price.....each | 4.90 | 6.50 | 8.25 | 10.15 | 15.50 | 22.00 | 33.50 | 47.50 | 66.50 |

STANDARD BRASS VALVES WITH JENKINS DISC

GLOBE

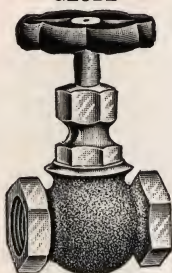


Fig. H-1347

ANGLE



Fig. H-1348

CROSS

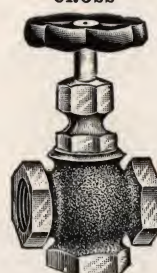


Fig. H-1349

GLOBE, ANGLE AND CROSS—SCREWED

| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|-------------------------------|------|------|------|------|------|-------|-------|------|-------|-------|
| Price, Globe and Angle...each | 1.10 | 1.25 | 1.60 | 2.20 | 2.80 | 4.00 | 5.50 | 8.75 | 15.75 | 22.00 |
| “ Cross.....“ | 1.70 | 2.00 | 2.25 | 2.50 | 3.25 | 4.75 | 6.25 | 9.50 | 20.00 | 27.50 |

GLOBE, ANGLE AND CROSS—FLANGED

| Size.....inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------------------|------|------|-------|-------|-------|-------|-------|
| Price, Globe and Angle.....each | 5.00 | 6.00 | 9.00 | 11.00 | 16.50 | 25.00 | 34.00 |
| “ Cross.....“ | 8.00 | 9.00 | 12.00 | 15.00 | 23.00 | 33.00 | 44.00 |

GLOBE AND ANGLE—WITH WOOD WHEEL

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--------------------------------------|------|------|------|-------|-------|-------|
| Price, Rough Body, Plain.....each | 2.00 | 2.50 | 3.20 | 4.50 | 6.25 | 10.50 |
| “ “ Nickel-plated All Over.....“ | 2.40 | 2.90 | 3.60 | 4.90 | 6.65 | 10.90 |
| “ Finished All Over.....“ | 2.50 | 3.00 | 3.75 | 5.25 | 7.25 | 11.75 |
| “ “ and Nickel-plated All Over.....“ | 2.90 | 3.40 | 4.15 | 5.65 | 7.65 | 12.15 |

GLOBE AND ANGLE—WITH FINISHED BRASS WHEEL

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--------------------------------------|------|------|------|-------|-------|-------|
| Price, Finished All Over.....each | 3.50 | 4.00 | 4.75 | 6.50 | 8.50 | 13.00 |
| “ “ and Nickel-plated All Over.....“ | 4.15 | 4.65 | 5.40 | 7.15 | 9.15 | 13.65 |

CHECK

HORIZONTAL



Fig. H-1350

ANGLE



Fig. H-1351

HORIZONTAL OR ANGLE—SCREWED

| Size.....inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|-----------------|------|------|------|------|------|-------|-------|------|-------|-------|
| Price.....each | 1.10 | 1.20 | 1.30 | 1.90 | 2.60 | 3.60 | 5.00 | 7.50 | 13.50 | 21.00 |

HORIZONTAL OR ANGLE—FLANGED

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|-----------------|------|------|------|-------|-------|-------|-------|-------|
| Price.....each | 4.00 | 5.00 | 6.00 | 8.00 | 10.00 | 15.00 | 23.00 | 32.00 |

JENKINS BROS. BRASS VALVES

STANDARD PATTERN

For 150 Pounds Pressure

GLOBE

SCREWED



Fig. H-1352

FLANGED



Fig. H-1353

ANGLE
SCREWED



Fig. H-1354

CROSS
SCREWED



Fig. H-1355

| | | | | | | |
|---|-------|-------|-------|-------|-------|------|
| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Price, Globe or Angle, Screwed.....each | 1.10 | 1.10 | 1.25 | 1.60 | 2.20 | 2.80 |
| " " " " Flanged....." | .... | 3.50 | 4.00 | 4.00 | 5.00 | 6.00 |
| " Cross, Screwed....." | .... | 1.70 | 2.00 | 2.25 | 2.50 | 3.25 |
| " " Flanged....." | .... | .... | .... | 7.00 | 8.00 | 9.00 |
| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | .... |
| Price, Globe or Angle, Screwed.....each | 4.00 | 5.50 | 8.75 | 15.75 | 22.00 | .... |
| " " " " Flanged....." | 9.00 | 11.00 | 16.50 | 25.00 | 34.00 | .... |
| " Cross, Screwed....." | 4.75 | 6.25 | 9.50 | 20.00 | 27.50 | .... |
| " " Flanged....." | 12.00 | 15.00 | 23.00 | 33.00 | 44.00 | .... |

HORIZONTAL CHECK



Fig. H-1356

SWING CHECK



Fig. H-1357

SCREWED ENDS

| | | | | | | |
|----------------------------|-------|-------|------|-------|-------|------|
| Size.....inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Price, Horizontal.....each | 1.10 | 1.10 | 1.20 | 1.30 | 1.90 | 2.60 |
| " Swing....." | .... | .... | 1.20 | 1.30 | 1.90 | 2.60 |
| Size.....inches | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | .... |
| Price, Horizontal.....each | 3.60 | 5.00 | 7.50 | 13.50 | 21.00 | .... |
| " Swing....." | 3.60 | 5.00 | 7.50 | 14.00 | 21.00 | .... |

BRASS GATE VALVES

STANDARD



Fig. H-1358

QUICK OPENING



Fig. H-1359

SERVICE GATE



Fig. H-1360

JENKINS BROS.
MEDIUM

Fig. H-1361

STANDARD—SCREWED

| | | | | | | | | |
|-------------|--------|---------------|----------------|---------------|----------------|-------|----------------|----------------|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
| Price | each | 1.45 | 1.45 | 1.65 | 2.05 | 2.80 | 3.70 | 5.00 |
| Size | inches | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | *4 | *5 | *6 |
| Price | each | 7.30 | 13.00 | 19.00 | 43.00 | 58.00 | 110.00 | 165.00 |

QUICK OPENING—SCREWED

| | | | | | | | | |
|-------------|--------|---------------|------|----------------|----------------|-------|----------------|-------|
| Size | inches | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Price | each | 3.60 | 4.80 | 6.20 | 8.50 | 11.80 | 20.25 | 30.00 |

SERVICE GATE VALVES—SCREWED

| | | | | | | | | |
|-------------|--------|---------------|----------------|---------------|----------------|-------|----------------|----------------|
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
| Price | each | 1.45 | 1.45 | 1.65 | 2.05 | 2.80 | 3.70 | 5.00 |
| Size | inches | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | *4 | *5 | *6 |
| Price | each | 7.30 | 13.00 | 19.00 | 43.00 | 58.00 | 110.00 | 165.00 |

MEDIUM PRESSURE

For 175 Pounds Working Pressure

| | | | | | | | | | |
|----------------------------|--------|---------------|---------------|----------------|----------------|----------------|-------|----------------|----------------|
| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Face to Face, Flanged..... | inches | .... | .... | $4\frac{1}{4}$ | $4\frac{3}{4}$ | $5\frac{1}{8}$ | 6 | $6\frac{3}{8}$ | $8\frac{1}{8}$ |
| Diameter of Flanges..... | " | .... | .... | 4 | $4\frac{1}{2}$ | 5 | 6 | 7 | $7\frac{1}{2}$ |
| Price, Screwed..... | each | 2.75 | 3.25 | 4.50 | 6.00 | 8.00 | 13.00 | 20.00 | 32.50 |
| " Flanged..... | " | .... | 10.25 | 12.50 | 16.25 | 21.50 | 31.00 | 45.00 | 67.50 |

* $3\frac{1}{2}$ to 6-inch valves have flanged bonnet and non-rising stems, and are made to order only.

RADIATOR VALVES

WITH UNION

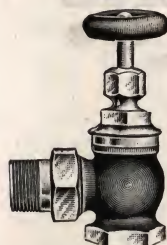


Fig. H-1362

LEFT-HAND CORNER
WITH UNION



Fig. H-1363

LEFT-HAND OFFSET
WITH UNION

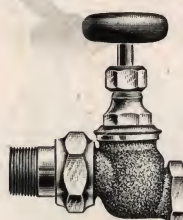


Fig. H-1364

HOT WATER
WITH UNION

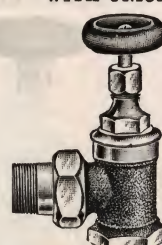


Fig. H-1365

UNION VALVES—JENKINS DISC

| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|---|--------|------|------|------|-------|-------|-------|
| Price, Rough Body, Finished Trimmings. each | | 2.75 | 3.50 | 4.30 | 5.85 | 7.75 | 12.60 |
| “ “ “ Nickel-plated Trimmings. “ | | 3.00 | 3.75 | 4.65 | 6.25 | 8.00 | 12.85 |
| “ “ “ “ All Over “ | | 3.05 | 3.80 | 4.75 | 6.40 | 8.10 | 13.10 |
| “ Finished Body..... | | 3.25 | 4.00 | 4.80 | 6.40 | 8.75 | 13.85 |
| “ “ Nickel-plated All Over.... | | 3.50 | 4.25 | 5.25 | 7.00 | 9.25 | 14.35 |

CORNER VALVES, RIGHT OR LEFT, WITH UNION—JENKINS DISC

| Size | inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--|--------|------|------|-------|-------|-------|
| Price, Rough Body, Finished Trimmings.....each | | 3.85 | 4.75 | 6.45 | 8.55 | 13.85 |
| “ “ “ Nickel-plated Trimmings... “ | | 4.15 | 5.15 | 6.90 | 8.80 | 14.15 |
| “ “ “ “ All Over..... “ | | 4.20 | 5.25 | 7.05 | 8.95 | 14.45 |
| “ Finished Body..... | | 4.50 | 5.50 | 7.20 | 9.55 | 15.35 |
| “ “ Nickel-plated All Over.... “ | | 4.85 | 6.00 | 7.80 | 9.95 | 15.95 |

OFFSET VALVES, WITH UNION—JENKINS DISC

| Size | inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|---|--------|------|------|-------|-------|-------|
| Price, Rough Body, Plated All Over.....each | | 4.25 | 5.15 | 6.95 | 8.95 | 14.25 |
| “ Finished All Over..... “ | | 4.40 | 5.30 | 7.05 | 9.65 | 15.25 |
| “ “ and Plated All Over..... “ | | 4.80 | 5.70 | 7.45 | 10.05 | 15.65 |

Above valves fitted with lock and shield at same list. Keys extra.

HOT WATER VALVES, WITH UNION—BRASS DISC

| Size | inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--|--------|------|------|-------|-------|-------|
| Price, Rough Body, Finished Trimmings.....each | | 2.45 | 3.25 | 4.50 | 6.50 | 10.00 |
| “ “ “ Nickel-plated Trimmings.. “ | | 2.60 | 3.35 | 4.90 | 6.65 | 10.25 |
| “ “ “ Plated All Over..... “ | | 2.85 | 3.65 | 5.05 | 7.10 | 10.85 |
| “ Finished All Over..... “ | | 3.00 | 3.85 | 5.25 | 7.50 | 11.50 |
| “ “ and Plated All Over..... “ | | 3.40 | 4.30 | 5.80 | 8.10 | 12.35 |

RADIATOR UNION ELBOWS

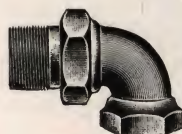


Fig. H-1366

| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--|--------|------|------|------|-------|-------|------|
| Price, Rough Body, Plated All Over. each | | 1.75 | 2.00 | 2.50 | 3.20 | 4.00 | 7.00 |
| “ Finished All Over..... “ | | 1.90 | 2.20 | 2.75 | 3.60 | 4.60 | 7.50 |
| “ “ and Plated All Over “ | | 2.15 | 2.40 | 3.00 | 3.90 | 4.85 | 8.50 |
| “ Rough Body, Plain..... “ | | 1.50 | 1.75 | 2.25 | 2.95 | 3.70 | 6.00 |
| “ “ “ Plated Trimmings... “ | | 1.65 | 1.90 | 2.40 | 3.10 | 3.85 | 6.15 |

PACKLESS RADIATOR VALVES

LAVIGNE, WITH COMPOSITION DISC, FOR STEAM

REGULAR PATTERN GRADUATED PATTERN

WOOD WHEEL

SECTIONAL VIEW

LOCK SHIELD

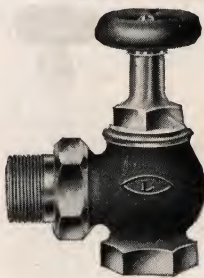


Fig. H-1367

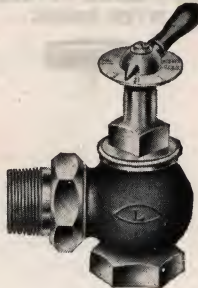


Fig. H-1368



Fig. H-1369

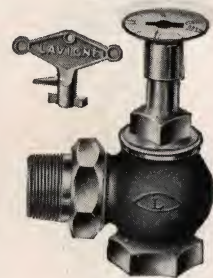


Fig. H-1370

The Lavigne Packless Valve has a number of decided advantages over any other article of its class. Its packless and quick-opening features are simple and efficient and the interior arrangement cannot be injured by ordinary abuse. The bonnet is carried up to the underside of the follower plate to protect the working parts from any outside interference.

By reference to the sectional view, it will be observed that the stem is of the non-rising type and is provided with a flange a short distance above the thread. Between this flange and the inwardly extending flange of the bonnet is placed a specially prepared composition washer. Another similar washer is placed immediately above the inwardly extending flange of the bonnet, and upon this second composition washer rests a gland shaped follower plate extending from the handle. A shoulder is formed on the inside of the follower plate and this shoulder supports a spring which bears upward against a nut screwed to the top of the stem. A double service is performed by this spring, as it bears downward on the upper composition washer and at the same time pulls upward against the lower composition washer, thus holding both of them tightly against the inwardly extending flange of the bonnet and taking up automatically any wear that may occur in either. This insures an absolutely tight joint against water, steam or air.

The valve also has a genuine quick-opening feature, as it can be fully opened or fully closed with about a three quarter turn of the handle.

The Lavigne Graduated Packless Valve is similar in construction to the valve illustrated and described above, except that it has the additional advantage of a lever handle, an indicator plate graduated into eight sections and means for a special adjustment by which each valve can be accurately set for a wide range of sizes of radiators.

With each graduated valve is furnished four different shells, any one of which may be attached to the disc holder below the disc. If the valve is to be connected to a very small radiator, the shell with a single slot should be used, while if the radiator is medium or large sized, shells with two, three or four slots should be employed. It will remain partly open at any desired position, without any danger of variation of the openings unless the handle is moved.

WITH UNION—ROUGH BODY, PLATED ALL OVER

| Size.....inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|--|------|------|------|-------|-------|-------|
| Price, Regular Pattern, Angle.....each | 3.15 | 3.80 | 4.75 | 6.40 | 8.10 | 13.10 |
| “ “ “ Corner.....“ | 3.45 | 4.20 | 5.25 | 7.05 | 8.95 | 14.45 |
| “ Graduated “ Angle, with Shells.. “ | 4.00 | 4.80 | 5.85 | 7.65 | 9.50 | 15.00 |
| “ “ “ Corner, “ “ .. “ | 4.30 | 5.20 | 6.35 | 8.30 | 10.35 | 16.35 |
| “ “ “ Angle, without “ .. “ | 3.75 | 4.50 | 5.50 | 7.25 | 9.00 | 14.30 |
| “ “ “ Corner, “ “ .. “ | 4.05 | 4.90 | 6.00 | 7.90 | 9.85 | 15.65 |

Upon special order, the above valves can be furnished with lock shield. Plated keys, 50 cents list each, extra.

Unless otherwise specified, graduated valves will be shipped with shells.

RADIATOR AIR VALVES

COMPRESSION

No. 1



Fig. H-1371

No. 2



Fig. H-1372

| | | |
|-----------------------------|------|-----|
| Price, No. 1, 1/8-inch..... | each | .35 |
| " " 2, 1/8 " | " | .45 |

No. 3



Fig. H-1373

No. 4

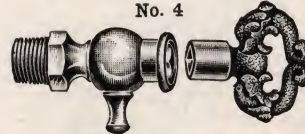


Fig. H-1374

| | | |
|------------------------------|------|-----|
| Price, No. 3, 1/8-inch | each | .70 |
| " " 4, 1/8 " | " | .60 |
| " Extra Keys for No. 4..... | " | .10 |

JENKINS BROS.—IMPROVED AUTOMATIC

WITH UNION

PLAIN

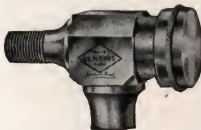


Fig. H-1375

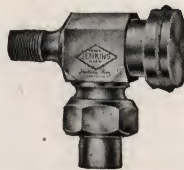


Fig. H-1376

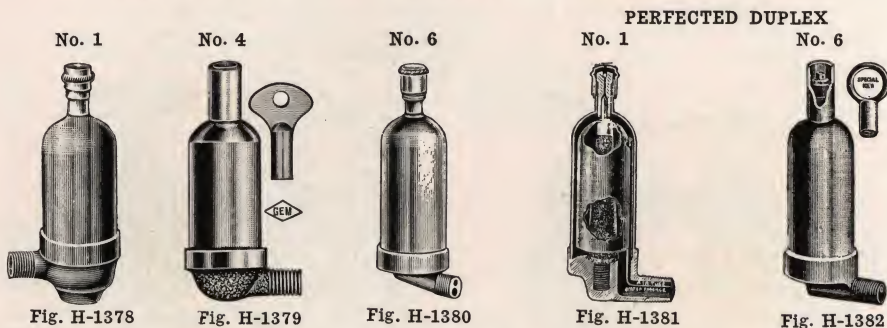
DRIP CUP



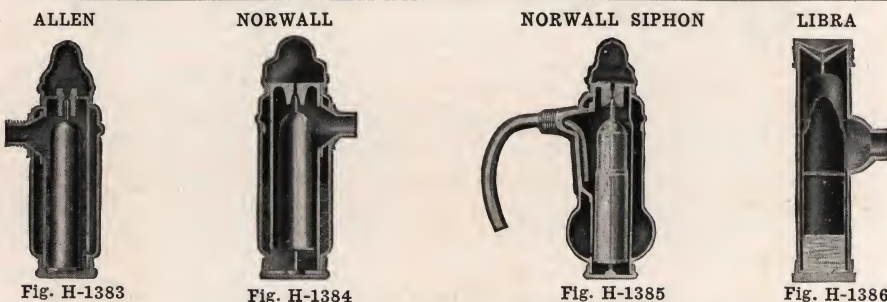
Fig. H-1377

| | | |
|---------------------------------------|-----------|-------|
| Price, Plain, 1/8 or 1/4-inch..... | per dozen | 7.50 |
| " 1/8-inch Inlet, 1/8-inch Union..... | " | 9.50 |
| " 1/8 " " 1/4 " " | " | 10.00 |
| " 1/4 " " 1/4 " " | " | 10.00 |
| " Drip Cups..... | " | 2.00 |

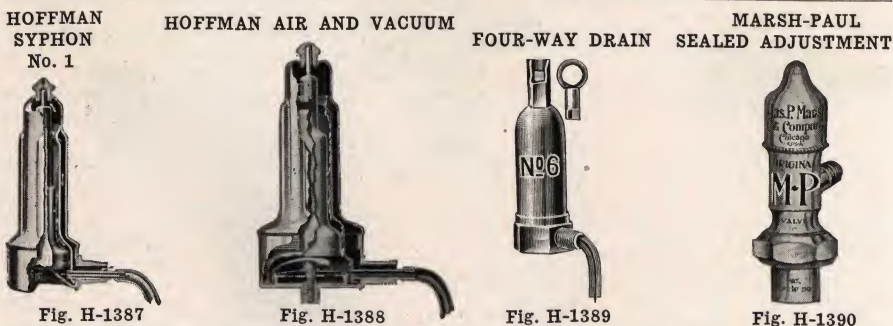
RADIATOR AUTOMATIC AIR VALVES



| | | |
|--|------|------|
| Price, No. 1..... | each | .75 |
| " " 2, same as No. 1, but for Loose Key..... | " | 1.20 |
| " " 4..... | " | 1.50 |
| " " 3, same as No. 4, but not for Loose Key..... | " | 1.15 |
| " " 6..... | " | 1.25 |
| " Perfected Duplex, No. 1..... | " | 1.50 |
| " " 6..... | " | 2.00 |



| | | | | | |
|-------------------|------|------|----------------------------|------|------|
| Price, Allen..... | each | 1.00 | Price, Norwall Siphon..... | each | 1.70 |
| " Norwall..... | " | 1.30 | " Libra, 1/8-inch..... | " | 1.00 |



| | | | | | |
|----------------------------------|------|------|-------------------------------------|------|------|
| Price, Hoffman Syphon No. 1..... | each | 1.90 | Price, Four-Way Drain..... | each | 3.00 |
| " " Air and Vacuum..... | " | 4.50 | " Marsh-Paul, Sealed Adjustment.... | " | 1.25 |

STANDARD IRON BODY VALVES

BRASS MOUNTED

GLOBE

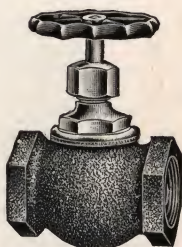


Fig. H-1391

ANGLE



Fig. H-1392

| | | | | |
|-------------------------------------|--------|------|-------|-------|
| Size..... | inches | 2 | 2½ | 3 |
| Price, Globe or Angle, Screwed..... | each | 5.40 | 7.35 | 9.80 |
| “ “ “ Flanged..... | “ | 7.00 | 9.00 | 12.50 |
| “ Cross, Screwed..... | “ | 6.50 | 9.00 | 12.50 |
| “ “ Flanged..... | “ | 9.00 | 11.75 | 16.50 |

WITH YOKE

GLOBE

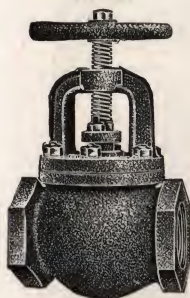


Fig. H-1393

ANGLE

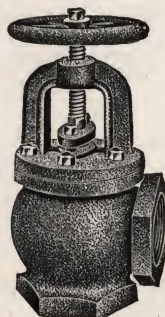


Fig. H-1394

CROSS

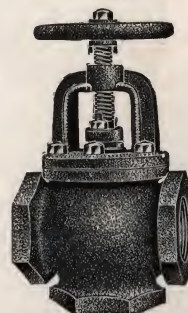


Fig. H-1395

| | | | | | | | | | |
|--------------------------------|--------|-------|--------|--------|--------|--------|-------|--------|-------|
| Size..... | inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
| Price, Globe, or Angle, Serd.. | each | 7.00 | 9.00 | 12.50 | 15.25 | 19.00 | 24.00 | 27.00 | 37.50 |
| “ “ “ Flgd.. | “ | 8.60 | 10.75 | 15.00 | 18.50 | 22.50 | 27.50 | 31.00 | 42.00 |
| “ Cross, Screwed..... | “ | .... | .... | 16.25 | 20.00 | 23.50 | 30.65 | 35.25 | 47.25 |
| “ “ Flanged..... | “ | .... | .... | 20.00 | 25.00 | 28.50 | 36.00 | 41.00 | 54.00 |
| Size..... | inches | 7 | 8 | 10 | 12 | 14 | 15 | 16 | ..... |
| Price, Globe, or Angle, Serd.. | each | 63.00 | 72.00 | 114.00 | 170.00 | ..... | ..... | ..... | ..... |
| “ “ “ Flgd.. | “ | 68.00 | 77.00 | 123.00 | 187.00 | 350.00 | ..... | 475.00 | ..... |
| “ Cross, Screwed..... | “ | 78.00 | 92.00 | 162.00 | 240.00 | ..... | ..... | ..... | ..... |
| “ “ Flanged..... | “ | 85.00 | 100.00 | 175.00 | 265.00 | ..... | ..... | ..... | ..... |

STANDARD IRON BODY CHECK VALVES

For 125 Pounds Working Pressure

SCREWED

HORIZONTAL

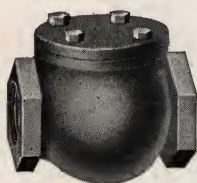


Fig. H-1396

VERTICAL



Fig. H-1397

SWING

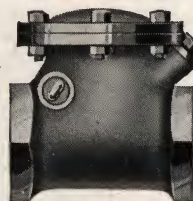


Fig. H-1398

| Size inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 | 10 | 12 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Price, Horizontal, each | 3.60 | 6.50 | 8.90 | 12.25 | 14.25 | 19.00 | 22.00 | 30.00 | ..... | ..... | ..... | ..... |
| " Vertical.. " | ..... | 9.50 | 12.50 | 17.00 | 21.00 | 30.00 | 33.00 | 40.00 | ..... | ..... | ..... | ..... |
| " Swing. " | ..... | 12.00 | 13.50 | 17.50 | 20.00 | 26.00 | 30.00 | 36.00 | 55.00 | 70.00 | 110.00 | 160.00 |

FLANGED

VERTICAL



Fig. H-1400

HORIZONTAL



Fig. H-1399

SWING

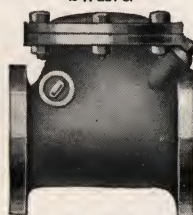


Fig. H-1401

HORIZONTAL

| Size.....inches | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 15 |
|-----------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
| Diameter of Flanges, inches | 7½ | 9 | 10 | 11 | 12½ | 13½ | 16 | 19 | 21 | 22¼ |
| Price.....each | 11.50 | 18.00 | 26.00 | 35.00 | 50.00 | 62.00 | 115.00 | 175.00 | 300.00 | ..... |

VERTICAL

| Size | 6 | 7 | 8 | 10 |
|--------------------------------|-------|-------|-------|--------|
| Diameter of Flanges.....inches | 11 | 12½ | 13½ | 16 |
| Price.....each | 45.00 | 67.00 | 78.00 | 135.00 |

SWING

| Size.....inches | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Diameter of Flanges inches | 7 | 7½ | 8½ | 9 | 9½ | 10 | 11 | 12½ | 13½ |
| Price, Flanged...each | 14.50 | 17.00 | 21.00 | 24.00 | 30.00 | 34.00 | 41.00 | 60.00 | 75.00 |
| " Hub End.. " | ..... | 19.00 | ..... | 27.00 | ..... | 38.00 | 45.00 | ..... | 82.50 |
| Size.....inches | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 |
| Diameter of Flanges inches | 16 | 19 | 21 | 22¼ | 23½ | 25 | 27½ | 32 | 38¾ |
| Price, Flanged...each | 115.00 | 168.00 | 340.00 | 400.00 | 450.00 | 600.00 | 700.00 | 1000.00 | 1650.00 |
| " Hub End.. " | 125.00 | 185.00 | 340.00 | ..... | 450.00 | 600.00 | 700.00 | 1000.00 | 1650.00 |

STANDARD IRON BODY GATE VALVES

BRASS TRIMMINGS, WEDGE GATE, OPEN TO THE LEFT
NON-RISEING STEM .

SCREWED



Fig. H-1402

FLANGED

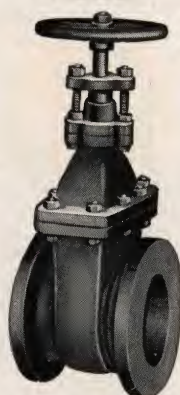


Fig. H-1403

HUB ENDS

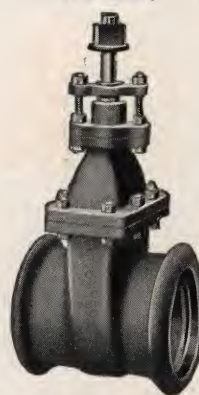


Fig. H-1404

Adopted November 15, 1911

SCREWED OR FLANGED

Sizes 16-inch and Smaller, for Steam Working Pressures up to 125 Pounds; Sizes 18-inch and Larger, for Pressures up to 100 Pounds

| | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
| Face to Face..inches | 7 | 7½ | 8 | 8½ | 9 | 9½ | 10 | 10½ |
| Diam., Flanges " | 6 | 7 | 7½ | 8½ | 9 | 9½ | 10 | 11 |
| Price, Screwed, each | 10.00 | 11.50 | 14.00 | 17.00 | 19.00 | 24.00 | 27.50 | 32.50 |
| " Flanged " | 12.00 | 13.50 | 16.50 | 19.50 | 23.00 | 28.00 | 31.50 | 36.50 |

| | | | | | | | | |
|----------------------|-------|-------|-------|-------|--------|--------|--------|--------|
| Size.....inches | 7 | 8 | 9 | 10 | 12 | 14 | 15 | 16 |
| Face to Face..inches | 11 | 11½ | 12 | 13 | 14 | 15 | 15 | 16 |
| Diam., Flanges " | 12½ | 13½ | 15 | 16 | 19 | 21 | 22¼ | 23½ |
| Price, Screwed, each | 45.00 | 54.00 | 76.00 | 90.00 | 125.00 | ..... | ..... | ..... |
| " Flanged " | 49.00 | 58.00 | 81.00 | 95.00 | 133.00 | 181.00 | 220.00 | 260.00 |

| | | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|---------|------|
| Size.....inches | 18 | 20 | 22 | 24 | 26 | 28 | 30 | .... |
| Face to Face..inches | 17 | 18 | 19 | 20 | 23 | 26 | 30 | .... |
| Diam., Flanges " | 25 | 27½ | 29½ | 32 | 34¼ | 36½ | 38¾ | .... |
| Price, Flanged, each | 350.00 | 425.00 | 530.00 | 600.00 | 800.00 | 950.00 | 1100.00 | .... |

HUB ENDS

Sizes 12-inch and Smaller, for Water Working Pressures up to 175 Pounds; Sizes 14 and 16-inch, up to 150 Pounds; Sizes 18-inch and Larger, up to 120 Pounds

| | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size.....inches | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| End to End..inches | 8½ | 9 | 10¼ | 10¾ | 10¾ | 10¾ | 12 | 12¾ |
| Price each | 10.00 | 14.00 | 19.00 | 27.50 | 32.50 | 45.00 | 54.00 | 90.00 |

| | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|---------|------|
| Size.....inches | 12 | 14 | 16 | 18 | 20 | 24 | 30 | .... |
| End to End..inches | 13½ | 13¾ | 16 | 17 | 17 | 18 | 30 | .... |
| Price each | 125.00 | 173.00 | 250.00 | 340.00 | 415.00 | 590.00 | 1075.00 | .... |
| " with By-Pass. " | ..... | ..... | 315.00 | 415.00 | 500.00 | 690.00 | 1225.00 | .... |

All iron gates, same list prices as brass mounted.

WATER PRESSURE REGULATORS AND REDUCING VALVES

WATSON WATER REDUCING VALVES
STANDARD PATTERN DIAPHRAGM PATTERN



Fig. H-1405

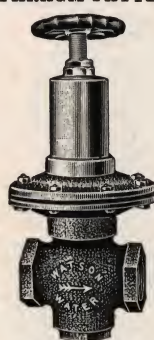


Fig. H-1406

MUELLER REDUCING VALVE
13160 TYPE

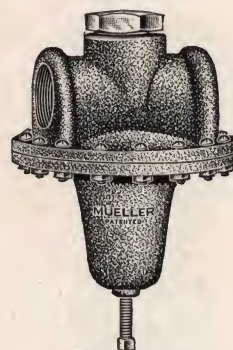


Fig. H-1407

These valves can be made for reducing heavy water pressure, 200 pounds or less, to any lower pressure desired on the outlet of the valve not less than 20 pounds.

They are intended especially for household use, to take the strain off of plumbing apparatus and keep the water pressure steady, thereby doing away with all hammering in the pipes and splashing of water at the spigots.

WATSON STANDARD PATTERN BRASS REDUCING VALVES—Screwed

| | | | | | | | |
|-----------------|---------------|---------------|------|----------------|----------------|-------|----------------|
| Size.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ |
| Price.....each | 8.00 | 8.00 | 9.50 | 11.50 | 15.00 | 25.00 | 45.00 |

WATSON STANDARD PATTERN IRON BODY REDUCING VALVES—Flanged

| | | | | | |
|-----------------|-------|-------|--------|--------|--------|
| Size.....inches | 3 | 4 | 5 | 6 | 8 |
| Price.....each | 70.00 | 90.00 | 110.00 | 150.00 | 200.00 |

Price of larger sizes on application.

WATSON DIAPHRAGM PATTERN BRASS REDUCING VALVES—Screwed

These are similar in construction to the valves shown above. They are intended for the same service, and being made with a diaphragm, will work a little more exact than the standard pattern valve. They are intended for particular places where water pressure is used and will regulate pressure down to between 1 and 20 pounds and hold it without variation.

| | | | | | |
|-----------------|---------------|-------|----------------|----------------|-------|
| Size.....inches | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price.....each | 14.00 | 17.00 | 22.00 | 28.00 | 38.00 |

MUELLER REDUCING VALVES, 13160 TYPE

Designed for service on water, steam, air, gas, oil, etc. Especially adapted for service on water where considerable reduction and close regulation are required, and for steam heating systems for any pressure down to as low as 5 pounds vacuum. They are small, compact and self-contained, with very slight liability to obstruction, or to get out of order. In ordering, state kind of service, initial and delivery pressures.

| | | | | | | | | | | | |
|------------------------|---------------|---------------|---------------|---------------|-------|----------------|----------------|-------|----------------|-------|--------|
| Size....inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
| Price Iron Body...each | 6.50 | 7.00 | 7.50 | 8.50 | 11.00 | 13.00 | 17.00 | 22.00 | 30.00 | 42.00 | 60.00 |
| " Brass " " " | 13.00 | 14.00 | 15.00 | 17.00 | 22.00 | 26.00 | 34.00 | 44.00 | 60.00 | 84.00 | 120.00 |

WATER RELIEF VALVES

BRASS AND IRON BODY

MALE BASE
No. 1126



Fig. H-1408

BRASS

FEMALE BASE
No. 1128

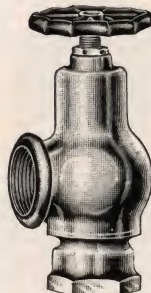


Fig. H-1409

HYDRAULIC
No. 1130



Fig. H-1410

IRON BODY
No. 1123



Fig. H-1411

No. 1126 water or cylinder relief valves, sizes 2½-inch and smaller, will be set at any pressure up to 250 pounds, and sizes 3, 3½ and 4-inch will be set at any pressure up to 200 pounds. No. 1128 valves will be set at any pressure specified up to 500 pounds.

No. 1126 brass relief valves will be furnished with male base up to and including 2½-inch; and with female base sizes 3 to 4-inch, inclusive. When required otherwise or flanged, they will be furnished at a special price. Especially adapted for pumps, stand-pipes, pipe lines, cylinders, etc.

| Size .....inches | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2¼ | 2½ | 3 | 3½ | 4 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| Price, No. 1126, Fin. each | 11.00 | 11.00 | 13.00 | 16.00 | 19.00 | 29.00 | 38.00 | 46.00 | 77.00 | 105.00 | 135.00 |
| " " 1126, N. P. " | 12.00 | 12.00 | 14.00 | 18.00 | 22.00 | 32.00 | 41.00 | 50.00 | 85.00 | 115.00 | 150.00 |
| " " 1128, Fin. " | 25.00 | 25.00 | 30.00 | 35.00 | 40.00 | 55.00 | 80.00 | 100.00 | ..... | ..... | ..... |
| " " 1128, N. P. " | 26.50 | 26.50 | 32.00 | 37.50 | 43.00 | 59.00 | 85.00 | 106.00 | ..... | ..... | ..... |

The 2¼-inch valve has regular 2½-inch pipe thread.

BRASS HYDRAULIC, No. 1130

These valves will be set at any pressure specified up to 5000 pounds, according to size. Prices on application.

IRON BODY, BRASS SEAT, No. 1123

These valves are made with combination flanged and screwed base. Hexagon screwed base furnished, when so ordered, at same price.

| Size Inches | Diameter of Base Flange Inches | Center of Outlet to Bottom of Base Flange Inches | Diameter of Outlet Flange Inches | Center of Valve to End of Outlet Inches | Total Height Inches | Price, with Brass Seat Each |
|-------------|--------------------------------|--|----------------------------------|---|---------------------|-----------------------------|
| *2½ | 7½ | 5¼ | .. | 3⅞ | 17⅞ | 42.00 |
| *3 | 8¼ | 5¾ | .. | 4¼ | 18⅞ | 50.00 |
| *3½ | 9 | 6⅞ | .. | 4⅝ | 20⅞ | 68.00 |
| *4 | 10 | 6⅞ | .. | 5 | 21 | 75.00 |
| *4½ | 10½ | 7⅞ | .. | 6 | 22½ | 100.00 |
| 5 | 11 | 7⅞ | 10 | 7⅞ | 23⅞ | 120.00 |
| 6 | 12½ | 8½ | 11 | 8⅞ | 25⅞ | 170.00 |

*These sizes made with screwed outlet, unless otherwise specified.

To adjust for different pressures, loosen locknut, turn handwheel or pressure screw to right to increase pressure, to left to decrease pressure, then tighten locknut.

When valves are wanted for higher pressures than 250 pounds, price will be quoted on application.

Will be set any pressure up to 250 pounds. Made with wheel regularly, which will always be furnished, unless otherwise ordered. Made also with square stem nut for wrench adjustment.

BRASS GAS SERVICE AND METER COCKS STRAIGHTWAY SERVICE COCKS

TEE HANDLE



Fig. H-1412

FLAT HEAD



Fig. H-1413

SQUARE HEAD

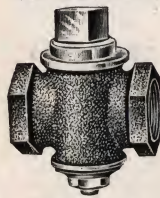


Fig. H-1414

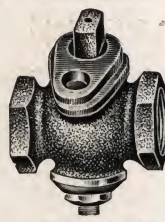
FLAT HEAD
LOCK WING

Fig. H-1415

WITHOUT CHECK—Tee Handle, Flat or Square Head

| Size | inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
|----------------------|--------|---------------|---------------|---------------|---------------|---------------|------|----------------|----------------|-------|----------------|-------|
| Price, Standard..... | each | .90 | .90 | 1.00 | 1.10 | 1.30 | 2.10 | 3.25 | 4.60 | 8.00 | 17.50 | 27.00 |
| " Extra..... | " | 1.10 | 1.10 | 1.20 | 1.30 | 1.80 | 3.00 | 4.50 | 6.50 | 11.20 | 24.50 | 37.80 |

WITH CHECK—Tee Handle, Flat or Square Head

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
|-----------------------|--------|---------------|---------------|---------------|------|----------------|----------------|-------|----------------|-------|
| Price, Standard | each | 1.15 | 1.30 | 1.55 | 2.40 | 3.70 | 5.10 | 8.75 | 18.50 | 28.25 |
| " Extra..... | " | 1.35 | 1.50 | 2.05 | 3.30 | 4.95 | 7.00 | 11.95 | 25.50 | 39.05 |

LOCK WING—Flat or Square Head

| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|-----------------------|--------|---------------|---------------|---------------|---------------|------|----------------|----------------|-------|
| Price, Standard | each | 1.20 | 1.30 | 1.40 | 1.60 | 2.50 | 3.85 | 5.35 | 9.00 |
| " Extra..... | " | 1.40 | 1.50 | 1.60 | 2.10 | 3.40 | 5.10 | 7.25 | 12.20 |

PLAIN

STRAIGHTWAY METER COCKS, FLAT HEAD LOCK WING

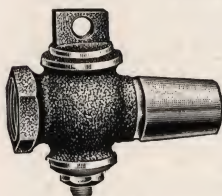


Fig. H-1416

WITH UNION

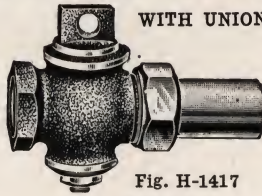


Fig. H-1417

PLAIN

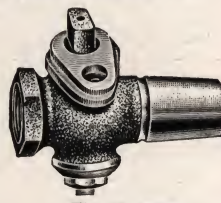


Fig. H-1418

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|--------------------------------------|--------|---------------|---------------|---------------|------|----------------|----------------|-------|
| Price, without Check, Standard | each | 1.00 | 1.10 | 1.30 | 2.10 | 3.25 | 4.60 | 8.00 |
| " " " Extra..... | " | 1.20 | 1.30 | 1.80 | 3.00 | 4.50 | 6.50 | 11.20 |
| " " with Check, Standard..... | " | 1.15 | 1.30 | 1.55 | 2.40 | 3.70 | 5.10 | 8.75 |
| " " " Extra..... | " | 1.35 | 1.50 | 2.05 | 3.30 | 4.95 | 7.00 | 11.95 |

WITH UNION

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|--------------------------------------|--------|---------------|---------------|---------------|------|----------------|----------------|-------|
| Price, without Check, Standard | each | 1.55 | 1.70 | 2.05 | 3.10 | 4.65 | 6.70 | 10.90 |
| " " " Extra..... | " | 1.75 | 1.90 | 2.55 | 4.00 | 5.90 | 8.60 | 14.10 |
| " " with Check, Standard..... | " | 1.70 | 1.90 | 2.30 | 3.40 | 5.10 | 7.20 | 11.65 |
| " " " Extra..... | " | 1.90 | 2.10 | 2.80 | 4.30 | 6.35 | 9.10 | 14.85 |

LOCK WING

| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|-----------------------|--------|---------------|---------------|---------------|------|----------------|----------------|-------|
| Price, Standard | each | 1.30 | 1.40 | 1.60 | 2.50 | 3.85 | 5.35 | 9.00 |
| " Extra..... | " | 1.50 | 1.60 | 2.10 | 3.40 | 5.10 | 7.25 | 12.20 |

Square or tee head meter cocks same lists as above.

BRASS STEAM COCKS AND WRENCHES

SQUARE HEAD



Fig. H-1419

STANDARD

FLAT HEAD



Fig. H-1420

THREE-WAY WITH CHECK

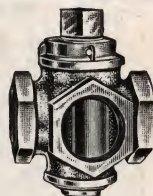


Fig. H-1421

SQUARE AND FLAT HEAD

| | | | | | | | | | | | | | |
|----------------------------|--------|-------|-------|------|------|------|-------|-------|------|-------|-------|--------|-------|
| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | *3 1/2 | *4 |
| Price | each | .85 | 1.00 | 1.25 | 1.70 | 2.35 | 3.70 | 4.85 | 7.30 | 14.50 | 22.50 | 38.50 | 50.00 |
| " Square Head with Check " | ..... | ..... | ..... | 1.40 | 1.90 | 2.55 | 3.95 | 5.15 | 7.65 | ..... | ..... | ..... | ..... |

*Made to order only, at a special discount.

THREE-WAY SQUARE HEAD-WITH CHECK

| | | | | | | | | | | | |
|-------------|--------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price | each | 1.80 | 2.10 | 2.50 | 3.00 | 3.75 | 5.75 | 7.15 | 11.00 | 18.75 | 26.00 |

"T" HANDLE

| | | | | | | | |
|--------------------|--------|-----|------|------|------|------|------|
| Size | inches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Price | each | .85 | .85 | 1.00 | 1.25 | 1.70 | 2.35 |
| " with Check | " | ... | 1.00 | 1.15 | 1.40 | 1.90 | 2.55 |

FLAT HEAD-MALE AND FEMALE

| | | | | | | | | | |
|-------------|--------|------|------|------|------|------|-------|-------|------|
| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
| Price | each | 1.35 | 1.45 | 2.00 | 2.50 | 3.00 | 5.35 | 6.75 | 9.85 |

SPECIAL SQUARE AND FLAT HEAD

| | | | | | | | | | |
|-------------|--------|------|------|------|-------|-------|------|-------|-------|
| Size | inches | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price | each | 1.25 | 1.70 | 2.35 | 3.70 | 4.85 | 7.30 | 14.50 | 22.50 |

EXTRA HEAVY SQUARE HEAD-For 250 Pounds Working Pressure

| | | | | | | | | | | | |
|-------------|--------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Size | inches | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| Price | each | 1.40 | 1.75 | 1.75 | 2.40 | 3.60 | 6.00 | 7.75 | 11.50 | 23.00 | 35.00 |

FLANGED-SQUARE OR FLAT HEAD

| | | | | | | | | | | | | |
|-----------------------------|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Size | inches | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 |
| Diameter of Flanges, inches | | 3 1/2 | 4 | 4 1/2 | 5 | 6 | 7 | 7 1/2 | 8 1/2 | 9 | 10 | 11 |
| Price | each | 5.50 | 7.30 | 9.70 | 11.75 | 18.00 | 27.50 | 43.00 | 62.00 | 84.00 | 150.00 | 275.00 |

These cocks are made to order only.

MALLEABLE IRON WRENCHES

SQUARE HEAD



Fig. H-1422

FLAT HEAD

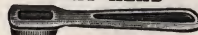


Fig. H-1423

SQUARE HEAD

| | | | | | | | | | | | | | |
|--------------|--------|---------------|---------------|---------------|---------------|-----|----------------|----------------|-----|----------------|-----|----------------|------|
| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 10 | |
| Size | inches | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 |
| Price | each | .05 | .06 | .07 | .09 | .14 | .19 | .25 | .44 | .56 | .56 | 1.00 | 1.00 |

FLAT HEAD

| | | | | | | | | |
|--------------|--------|---------------|---------------|-----|----------------|----------------|-----|------|
| Number | 1 | 2 | 3 | 5 | 6 | 7 | 8 | |
| Size | inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | |
| Price | each | .07 | .09 | .14 | .25 | .44 | .56 | 1.00 |

IRON COCKS

For Working Pressures up to 125 Pounds
STANDARD

SQUARE HEAD

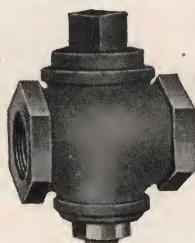


Fig. H-1424

FLAT HEAD



Fig. H-1425

THREE-WAY

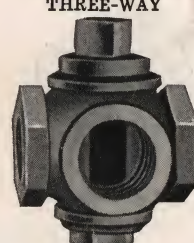


Fig. H-1426

STANDARD

| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 5 | 6 |
|-----------------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|------|----------------|-------|-------|-------|
| Price, Screwed...each | .85 | .90 | 1.05 | 1.30 | 1.60 | 1.95 | 2.70 | 4.40 | 6.75 | 12.00 | 15.50 | 32.00 | 45.00 |
| " Flanged... " | ..... | ..... | ..... | 2.25 | 2.75 | 3.25 | 4.25 | 6.25 | 9.50 | 15.00 | 19.00 | 36.00 | 50.00 |

STANDARD, WITH BRASS PLUG

| Size.....inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 5 | 6 |
|-----------------------|---------------|---------------|---------------|------|----------------|----------------|------|----------------|-------|----------------|-------|-------|--------|
| Price, Screwed...each | 1.25 | 1.30 | 1.60 | 1.90 | 2.65 | 3.75 | 5.25 | 8.75 | 13.00 | 27.50 | 36.50 | 67.00 | 94.00 |
| " Flanged... " | ..... | ..... | ..... | 3.00 | 3.75 | 5.00 | 7.00 | 10.50 | 15.75 | 30.00 | 40.00 | 70.00 | 100.00 |

Flat head $\frac{1}{2}$ to 2 inches, square head $2\frac{1}{2}$ to 6 inches, will be furnished, unless otherwise ordered.

THREE-WAY, SCREWED

| Size.....inches | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 5 | 6 |
|------------------------|---------------|------|----------------|----------------|------|----------------|-------|----------------|-------|-------|--------|
| Price, All Iron...each | 1.65 | 1.80 | 2.05 | 2.65 | 3.65 | 5.35 | 7.50 | 14.00 | 19.00 | 36.50 | 52.00 |
| " with Brass Washer " | 1.80 | 2.05 | 2.40 | 3.05 | 4.15 | 6.10 | 8.50 | 16.00 | 22.50 | 42.50 | 60.00 |
| " " Plug " | 2.20 | 2.40 | 3.10 | 4.50 | 6.25 | 9.75 | 13.75 | 30.00 | 40.00 | 71.50 | 100.00 |

These cocks will be furnished with check, when so ordered, at a special price.
Flanged three-way cocks will be furnished to order. Prices on application.

VULCANIZED ASBESTOS PACKED BLOW-OFF COCKS

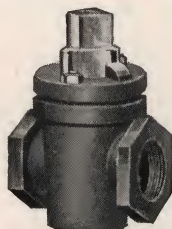


Fig. H-1427

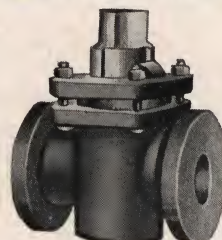


Fig. H-1428

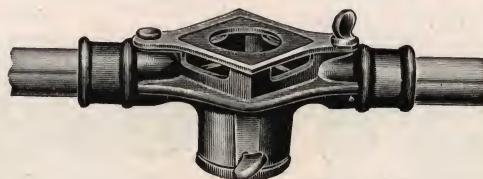
SCREWED OR FLANGED

| Size.....inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|--------------------------|---------------|----------------|---------------|----------------|---------------|-------|----------------|----------------|
| Price, Standard.....each | 1.30 | 1.30 | 1.45 | 1.60 | 2.10 | 2.50 | 3.50 | 4.75 |
| " Extra Heavy..... " | ..... | ..... | ..... | 2.40 | 3.00 | 3.50 | 5.00 | 6.75 |
| Size.....inches | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 5 | 6 | .... |
| Price, Standard.....each | 7.00 | 12.00 | 18.00 | 27.00 | 30.00 | 45.00 | 60.00 | .... |
| " Extra Heavy..... " | 10.00 | 17.00 | 26.00 | 38.00 | 42.00 | 60.00 | 80.00 | .... |

*Screwed only.

PIPE STOCKS AND DIES

MALLEABLE STOCKS AND DIES



WITH LEADER SCREW

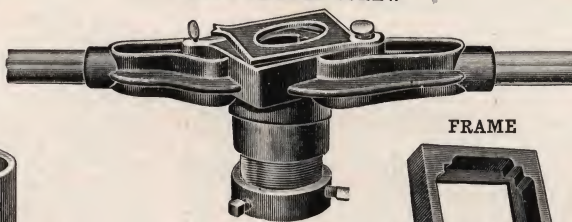
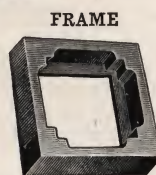


Fig. H-1429



BUSHING



FRAME



DIE

| No. | Threads Pipe Inches | Dimensions of Dies Inches | PRICE, EACH | | | | |
|----------------|--------------------------------|---------------------------------|-------------|----------------|---------------|-------------------|---------------------|
| | | | Complete | Stocks only | Extra Dies | Extra Bushings | Extra Die Frames |
| 0 | $\frac{1}{8}$ to $\frac{1}{2}$ | 2 x $\frac{1}{2}$ | 9.50 | 3.50 | 1.50 | .25 | .... |
| 1 | $\frac{1}{4}$ " 1 | $2\frac{1}{2}$ x $\frac{3}{4}$ | 15.00 | 5.00 | 2.00 | .35 | .30 |
| $1\frac{1}{2}$ | $\frac{3}{4}$ " $1\frac{1}{4}$ | 3 x $\frac{3}{4}$ | 13.50 | 6.00 | 2.50 | .45 | .40 |
| $1\frac{3}{4}$ | 1 " $1\frac{1}{2}$ | 3 x $\frac{3}{4}$ | 13.50 | 6.00 | 2.50 | .45 | .40 |
| 2 | $1\frac{1}{4}$ " 2 | 4 x $\frac{7}{8}$ | 20.00 | 9.50 | 3.50 | .60 | .50 |
| 3 | $2\frac{1}{2}$ " 3 | 5 x $1\frac{1}{4}$ | 43.00 | 25.00 | 9.00 | 1.00 | .60 |
| 4 | $2\frac{1}{2}$ " 3 | 5 x $1\frac{1}{4}$ | 51.00 | 33.00 | 9.00 | 1.00 | .60 |

Nos. 2, 3, 4 have leader screw attachment. No. 4 has four arms.

MILLER'S REVERSIBLE RATCHET STOCKS



Fig. H-1430

| Size | Threads Pipe Inches | Dimensions of Dies Inches | PRICE, EACH | | | | |
|------|---------------------------|---------------------------------|-------------|----------------|---------------|-------------------|---------------------|
| | | | Complete | Stocks only | Extra Dies | Extra Bushings | Extra Die Frames |
| B | $\frac{1}{4}$ to 1 | $2\frac{1}{2}$ x $\frac{3}{4}$ | 15.00 | 7.50 | 1.50 | .25 | .22 |
| C | 1 " $1\frac{1}{2}$ | 3 x $\frac{3}{4}$ | 18.50 | 13.00 | 1.80 | .35 | .30 |
| D | $1\frac{1}{4}$ " 2 | 4 x $\frac{7}{8}$ | 20.00 | 12.50 | 2.50 | .45 | .38 |
| E | $2\frac{1}{2}$ and 3 | 5 x $1\frac{1}{4}$ | 44.50 | 29.00 | 7.75 | .85 | .45 |

Sizes C, D and E have leader screws.

ARMSTRONG'S ADJUSTABLE PIPE STOCKS AND DIES

Nos. 1, 2 AND 3

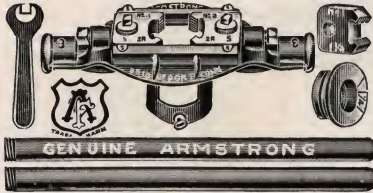


Fig. H-1431

No. 2½

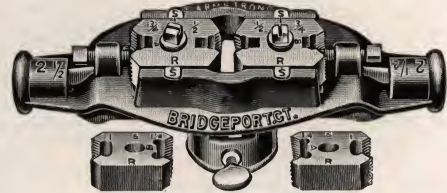


Fig. H-1432

| No. | Number of Dies | Threads Pipe Inches | PRICE, EACH | | | | | | | |
|-----|----------------|---------------------|-------------|------------|-------------------------------|----------------|---------------------|------------------------|--------------------|----------------|
| | | | Complete | Stock Only | Extra Dies Right or Left-Hand | Extra Bushings | Extra Collar Screws | Extra Adjusting Screws | Extra Thumb-screws | Extra Wrenches |
| 1 | 4 Single End | 1/8 to 1/2 | 9.00 | 3.25 | 1.25 | .20 | .12 | .10 | .10 | .25 |
| 2 | 5 " " | 1/4 " 1 | 12.00 | 4.00 | 1.50 | .25 | .12 | .10 | .10 | .25 |
| 2½ | 2 Double " " | 1/2 " 1 1/4 | 12.00 | 4.50 | 3.25 | .40 | .15 | .15 | .10 | .25 |
| 3 | 4 Single " " | 1 " 2 | 24.00 | 7.00 | 4.00 | .50 | .15 | .15 | .15 | .50 |
| 3 | 3 " " " | 1 1/4 " 2 | 20.00 | 7.00 | 4.00 | .50 | .15 | .15 | .15 | .50 |
| 6 | 1 Double " " | 2 1/2 " 3 | 40.00 | 25.00 | 15.00 | 1.00 | .25 | .20 | ..... | .50 |
| 7 | 4 " " " | 2 1/2 " 4 | 60.00 | 30.00 | 16.00 | 1.50 | .25 | .20 | ..... | .75 |

Prices for dies are per set of two pieces, except No. 7, which is per set of four pieces. Nos. 6 and 7 have four arms.

RATCHET ATTACHMENT

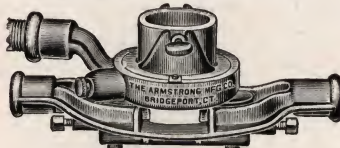


Fig. H-1433

BARD ADJUSTABLE BUSHING

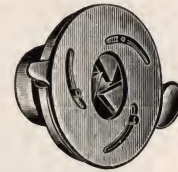


Fig. H-1434

RATCHET ATTACHMENTS

| | | | | | |
|------------------------|------|------|------|------|------|
| For Stock Number | 2 | 2½ | 3 | 6 | 7 |
| Price each | 2.50 | 3.00 | 3.50 | 5.00 | 5.00 |

BARD ADJUSTABLE BUSHINGS

| | | | | |
|------------------------------------|-----------------|---------------|-------------------|---------------|
| Number..... | 1 | 2 | 2½ | 3 |
| For Stocks Threading .....inches } | 1/2 and Smaller | 1 and Smaller | 1 1/4 and Smaller | 2 and Smaller |
| Price each | 4.50 | 5.00 | 6.00 | 8.00 |

TOLEDO ADJUSTABLE PIPE THREADING DEVICES

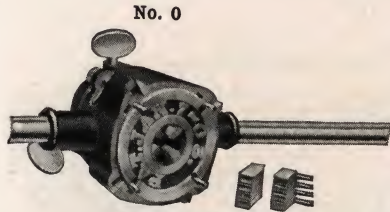


Fig. H-1435

No. 0 is an exceedingly popular little tool. It cuts $\frac{1}{2}$ and $\frac{3}{4}$ -inch threads with one set of dies; $\frac{1}{4}$ and $\frac{3}{8}$ -inch threads with another set, and $\frac{1}{8}$ -inch threads with another set. It differs from all other tools of the same capacity in that it uses the receding-die principle for threading $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe, thus making it the easiest operating tool in existence on these two sizes. It is very light and compact, being only 24 inches long from tip to tip of the handles.

No. 1 is, and has been for a number of years, the most popular threading device in existence. It threads 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2-inch pipe. It is perfectly easy for one man to cut 2-inch threads with same. It is made both as a right-hand and a left-hand tool—neither will do both. Right-hand furnished unless otherwise specified.

WITH RATCHET

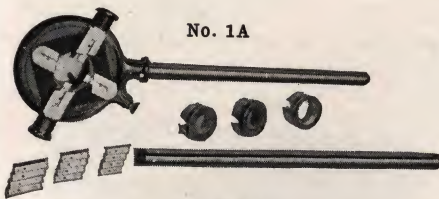


Fig. H-1437

No. 1A is in every essential like the No. 1, except that it is equipped with a ratchet. It may be used with two handles as an ordinary die stock, or with one handle inserted in the ratchet case. It is desirable for threading pipe down a trench, or against walls, between rafters, etc. It is an extremely easy operating tool. A boy can thread 2-inch pipe with it. It is made both as a right-hand and a left-hand tool—neither will do both. Right-hand furnished unless otherwise specified.

No. $1\frac{1}{2}$ R is offered for those who do not require to thread pipe larger than 3-inch, and who do not want to invest as much money as the Toledo No. 2 costs. Its capacity is limited to two sizes of standard pipe, viz., $2\frac{1}{2}$ and 3-inch of 8 thread. It is direct-acting and, therefore, does not operate as easily as the No. 2 tool, which is geared. Nevertheless, the man who has only been accustomed to the older wide-die tools will be astonished at the ease with which this tool will thread pipe.

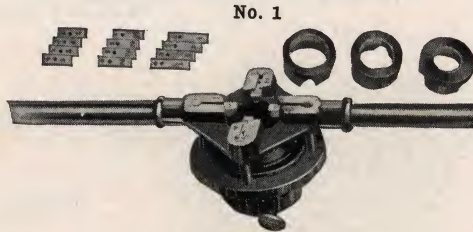


Fig. H-1436

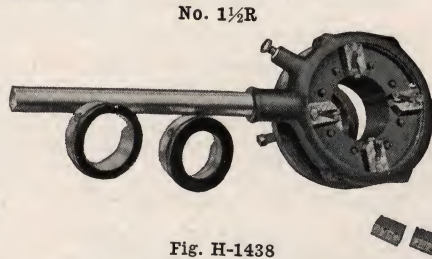


Fig. H-1438

| Number | 0 | 1 | 1A | $1\frac{1}{2}$ R |
|--|--------------------------------|--------|--------|--------------------|
| Threads Pipe.....inches | $\frac{1}{8}$ to $\frac{3}{4}$ | 1 to 2 | 1 to 2 | $2\frac{1}{2}$, 3 |
| Number of Sets of Dies to Stock | 3 | 4 | 4 | 2 |
| Price, Complete | 16.00 | 24.00 | 30.00 | 50.00 |
| “ Dies, per Set of Four Segments | 2.50 | 2.50 | 2.50 | 4.00 |

TOLEDO ADJUSTABLE PIPE THREADING DEVICES

NOS. 10 AND 10A

No. 10

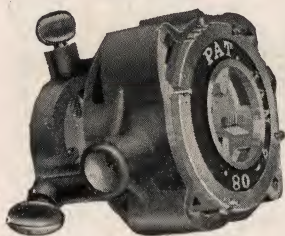


Fig. H-1439

No. 10A RATCHET

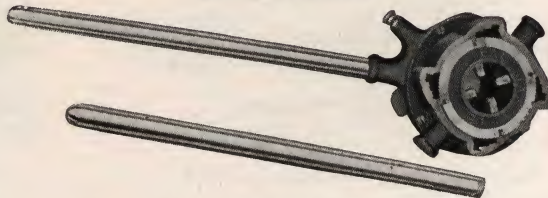


Fig. H-1440

These devices are offered for those who desire tools that are entirely self-contained, threading the entire range of sizes with one set of dies. While this is not the best practice from a mechanical standpoint, yet these tools have the very desirable quality of being exceedingly simple. There is no cam die-shifting mechanism, nor other intricate parts.

The dies are easily and positively set for any given size. The same die-receding principle that has made the Toledo No. 1 model such a wonderful tool, is utilized, and it threads pipe with very little effort—one man can thread 2-inch pipe easily.

The No. 10A is identical with the No. 10, except that it has a ratchet attachment.

NO. 25

This model differs from other Toledo Tools of similar capacity in that it is constructed to utilize but one set of dies for threading the entire range of sizes (seven). The adjustment of the dies is not accomplished by the use of a cam plate, and the weakness of that form of construction has therefore been eliminated. Two sets of dies are furnished with this model so that when one set is dull and needs grinding, another set will be in hand to take its place.

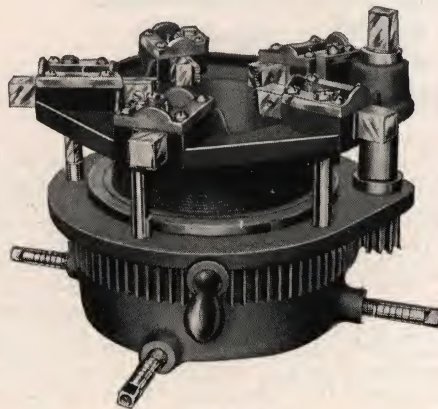


Fig. H-1441

| Number | 10 | 10A | 25 |
|--------------------|--------|--------|---------|
| Threads Pipe | 1 to 2 | 1 to 2 | 2½ to 6 |
| Net Weight | 16½ | 22 | 125 |
| Price | 28.00 | 34.00 | *230.00 |
| “ Extra Dies | 2.75 | 2.75 | 8.00 |

*Complete, with dies, ratchet and driving cross.

TOLEDO GEARED ADJUSTABLE PIPE THREADING DEVICES

No. 2

This tool is light, compact and extremely easy in operation. A boy can thread 4-inch pipe with it. Neither is the ease of operation obtained in any way at the expense of speed.

A 4-inch thread may be completed in 10 minutes without undue effort.

A 4-inch thread has been cut in 6 minutes.

Complete with dies, ratchet and driving cross.

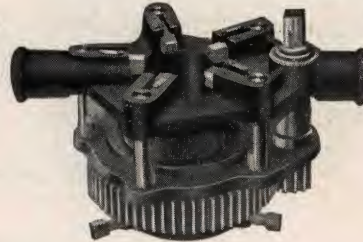


Fig. H-1442

No. 3

One man can readily cut an 8-inch thread with the No. 3 machine, and the ease of operation is not obtained at the expense of speed. No other similar tool operated by hand works so rapidly.

Its net weight is 155 pounds. With clearance in other directions it may be operated on a pipe, the center of which is within 10 inches of a wall or other obstruction.

It is light, compact and extremely easy in operation. Complete with dies, ratchet and driving cross.

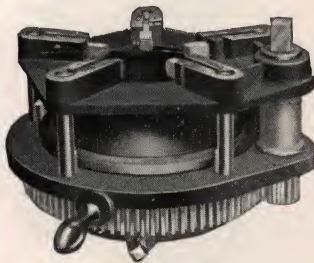


Fig. H-1443

No. 4

This tool will be appreciated by the engineers of large power plants, superintendents of pipe lines, and in all fields where it is desirable and necessary occasionally to cut threads on large size pipe.

It may be put on a pipe in a line, or well, any place in fact, and the work easily accomplished.

It takes two men to put the tool on the pipe, but after it is on, one man can do the work of cutting the thread. Complete with dies, ratchet and driving cross.

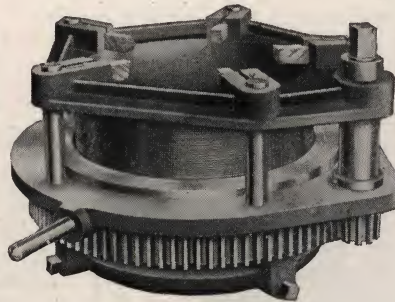


Fig. H-1444

| Number..... | 2 | 3 | 4 |
|---|---------|---------|-----------|
| Threads Pipe | 2½ to 4 | 4½ to 8 | 9, 10, 12 |
| Net Weight | 60 | 155 | 225 |
| Number of Sets of Dies to Stock..... | 4 | 5 | 3 |
| Price, Complete | 100.00 | 300.00 | 500.00 |
| “ Extra Dies, per Set of Five Segments..... | 8.00 | 12.00 | 20.00 |

OSTER DIE STOCKS AND PIPE MACHINES

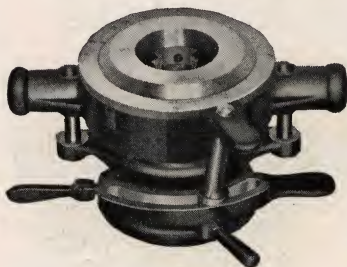


Fig. H-1445

MATCHLESS DIE STOCKS

Receding dies. No loose bushings. No change of dies. No change of guides. Easy cutting dies. Protected leader screw.

| Number..... | 1B | 3B | *3BR |
|--------------------------|-------|-------|-------|
| Weight.....pounds | 11 | 20 | 26 |
| Price, Complete.....each | 16.00 | 30.00 | 35.00 |
| " Extra Dies.....per set | 1.50 | 2.00 | 2.00 |

*Ratchet.

LIGHT HAND MACHINES

With adjustable centering chuck. These are portable pipe tools. Can be used as a die stock, as a bench tool, or complete with tripod stand. Strictly a one-man outfit.

These tools have no leader screw; the dies are started with a lever handle. One movement of the lever brings the head to position for the next cut without backing over the finished threads. No pipe vise required.

| Number | 16 | 17 |
|--|---------|---------|
| Threads Pipe | 2½ to 4 | 2½ to 6 |
| Shipping Weight, with Bracket, pounds | 290 | 420 |
| " " Tripod.. " | 370 | 530 |
| Sets of Dies..... | 1 | 4 |
| Price, with Bench Bracket.... each | 110.00 | 185.00 |
| " " Tripod..... " | 125.00 | 200.00 |
| " Extra Dies....per set of four pieces | 4.00 | 5.00 |



Fig. H-1446

Nos. 204 AND 206

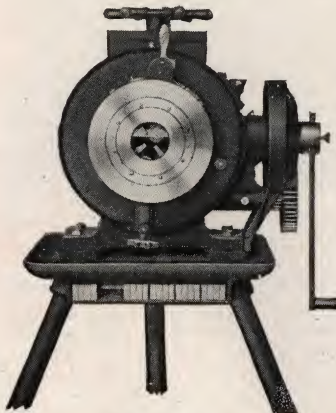


Fig. H-1447

HAND MACHINES

The dies in these machines are self-locking with one movement of the setting handle. Throw it one way and the pipe is released; throw it the other way and the dies are set to same size. The dies thread two sizes without change. Vise is self-centering and straight threads are assured. Gears are all machine cut and entirely protected from chips or accidents.

| Number | *201 | 204 | 206 |
|--|--------|--------|--------|
| Threads and Cuts off Pipe.... inches | ¼ to 2 | 1 to 4 | 1 to 6 |
| Sets of Dies..... | 4 | 4 | 6 |
| Price, with Tripod and Pan..... each | 70.00 | 150.00 | 250.00 |
| Deduct for Tripod | 7.00 | 10.00 | 25.00 |
| " " Oil Pan | 3.00 | 4.00 | 6.00 |
| Extra Dies, R. or L., per set of four pieces | 3.00 | 4.00 | 5.00 |

*No. 201 does not have a cutting-off attachment.

OSTER BULLDOG DIE STOCKS

REGULAR STOCK

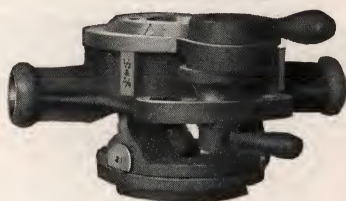


Fig. H-1448

RATCHET STOCK

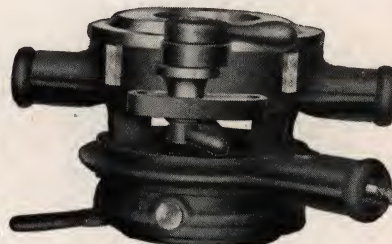


Fig. H-1449

This line of stocks has a positive setting arrangement without the use of any thumb-screws or friction clamps of any kind. The dies are controlled by the lever handle on top, as shown in illustration. By moving this handle to the right as far as it will go, the dies are set and held in place while cutting. One movement of the top lever handle will open or close the dies. No resetting or backing off the threads.

The tool is equipped with adjustable guides which do away with loose bushings. These guides are operated on a scroll and can be set for all sizes the tool will thread. The scroll is constructed so that the guides are held in any position without locking. The more pressure on the ends of the guides, the more solid the locking arrangement. Great pressure on the ends of the guides only tends to lock them more firmly in position.

| RANGE OF SIZES OF PIPE, INCHES | | | | REGULAR STOCKS | | RATCHET STOCKS | | Extra Dies per Set (4 Pieces) |
|---------------------------------|---------------------------------|---------------------------------|--------------------------|-------------------|------------|---------------------|------------|-------------------------------|
| One Set | One Set | One Set | One Set | No. | Price Each | No. | Price Each | |
| $\frac{1}{8}$ | $\frac{1}{4}$ and $\frac{3}{8}$ | $\frac{1}{2}$ and $\frac{3}{4}$ | $1\frac{1}{2}$ and 2 | 101 | 13.00 | ..... | ..... | 1.50 |
| $\frac{1}{4}$ and $\frac{3}{8}$ | $\frac{1}{2}$ " $\frac{3}{4}$ | $1\frac{1}{2}$ " 2 | $2\frac{1}{2}$ and 3 | 102 | 17.00 | 102R | 20.00 | 1.75 |
| $1\frac{1}{2}$ " 2 | $2\frac{1}{2}$ " 3 | $3\frac{1}{2}$ " 4 | $4\frac{1}{2}$ and 5 | 103 | 22.00 | 103R | 27.00 | 2.00 |
| $2\frac{1}{2}$ " 3 | $3\frac{1}{2}$ " 4 | $4\frac{1}{2}$ " 5 | $5\frac{1}{2}$ and 6 | 104 | 25.00 | 104R | 30.00 | 2.00 |
| $3\frac{1}{2}$ " 4 | $4\frac{1}{2}$ " 5 | $5\frac{1}{2}$ " 6 | $6\frac{1}{2}$ and 7 | 104 $\frac{1}{2}$ | 28.00 | ..... | ..... | 2.00 |
| $4\frac{1}{2}$ " 5 | $5\frac{1}{2}$ " 6 | $6\frac{1}{2}$ " 7 | $7\frac{1}{2}$ and 8 | 105 | 40.00 | 105R | 50.00 | 3.00 |
| $5\frac{1}{2}$ " 6 | $6\frac{1}{2}$ " 7 | $7\frac{1}{2}$ " 8 | $8\frac{1}{2}$ and 9 | 105 $\frac{1}{2}$ | 43.00 | 105 $\frac{1}{2}$ R | 53.00 | 3.00 |
| $6\frac{1}{2}$ " 7 | $7\frac{1}{2}$ " 8 | $8\frac{1}{2}$ " 9 | $9\frac{1}{2}$ and 10 | 107 | 55.00 | 107R | 60.00 | 3.50 |
| $7\frac{1}{2}$ " 8 | $8\frac{1}{2}$ " 9 | $9\frac{1}{2}$ " 10 | $10\frac{1}{2}$ and 11 | 107 $\frac{1}{2}$ | 58.50 | 107 $\frac{1}{2}$ R | 63.50 | 3.50 |
| $8\frac{1}{2}$ " 9 | $9\frac{1}{2}$ " 10 | $10\frac{1}{2}$ " 11 | $11\frac{1}{2}$ and 12 | ..... | ..... | 108R | 75.00 | 5.00 |
| $9\frac{1}{2}$ " 10 | $10\frac{1}{2}$ " 11 | $11\frac{1}{2}$ " 12 | $12\frac{1}{2}$ and 13 | ..... | ..... | 108 $\frac{1}{2}$ R | 80.00 | 5.00 |

BULLDOG DIE STOCKS, No. 82

This tool has brand new features. The double-end dies ($\frac{1}{4}$ and $\frac{3}{8}$ -inch on one end— $\frac{1}{2}$ and $\frac{3}{4}$ -inch on the other) are protected by a casing; hence teeth cannot cut user's hands or be damaged when stock is thrown about.

The dies have a stop on each side so that they cannot be set beyond proper place in stock.

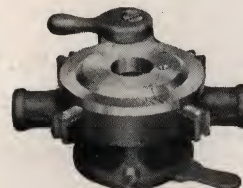


Fig. H-1450

| | | |
|---|-----------------------|-------|
| Price, Complete, Cutting $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch | each | 13.00 |
| " Extra Dies, Right or Left | per set (four pieces) | 3.00 |
| " " for $\frac{1}{8}$ -inch Dies | " " " | 2.00 |

BEAVER EASY WORKING DIE STOCKS

ADJUSTABLE—ALL SIZES WITHOUT CHANGING DIES

No. 25 FRONT VIEW

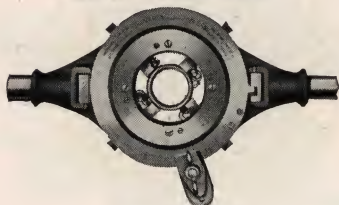


Fig. H-1451

NARROW RECEDING DIE

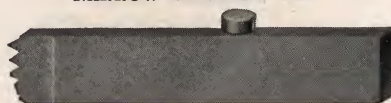


Fig. H-1452

No. 25

Front view of the No. 25 Beaver Die Stock shown cutting a 1-inch thread; it threads all sizes 1 to 2-inch. This form of die produces uniform curled chips and makes smooth true threads.

NARROW RECEDING DIES

The narrow receding die used in all Beaver Stocks. The die that makes threading easy. It cuts like a lathe tool, with least friction, the further the thread is cut, the easier is the labor.

No. 25

Threads all sizes—1, 1¼, 1½ and 2-inch—or variations from standard, without changing dies. It has a universal chuck that centers all sizes—no loose bushings. It is a complete tool—no loose parts. Steel and malleable construction.

| | | |
|--------------------------------|---------|--------|
| Threads Pipe | inches | 1 to 2 |
| Shipping Weight, Boxed | pounds | 25 |
| Price, Complete | each | 30.00 |
| " Extra Dies, Right Hand | per set | 3.50 |

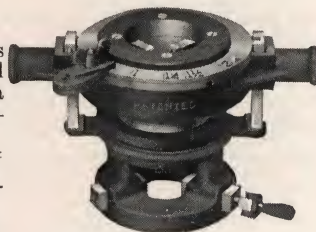


Fig. H-1453

No. 26 RATCHET

Like the No. 25 in construction, it threads all sizes—1, 1¼, 1½ and 2-inch—without changing dies, and has universal chuck for centering pipe.

It has ratchet attachment for cutting in confined places, or can be used as a regular stock.

| | | |
|--------------------------------|---------|--------|
| Threads Pipe | inches | 1 to 2 |
| Shipping Weight, Boxed | pounds | 30 |
| Price, Complete | each | 35.00 |
| " Extra Dies, Right Hand | per set | 3.50 |

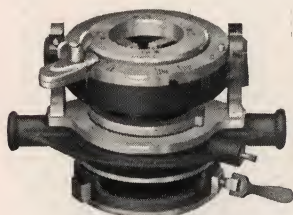


Fig. H-1454

No. 30 RATCHET

The No. 30 is a special tool, 11½ thread pitch, for oil well casing. It threads pipe 2, 2½ and 3-inch without changing dies. Like all Beaver Tools it is constructed of steel and malleable. It has ratchet attachment, but can be used as a regular tool. Bushings and tool steel grip screw used.

| | | |
|--------------------------------|---------|--------|
| Threads Pipe | inches | 2 to 3 |
| Shipping Weight, Boxed | pounds | 80 |
| Price, Complete | each | 60.00 |
| " Extra Dies, Right Hand | per set | 9.00 |



Fig. H-1455

BEAVER EASY WORKING DIE STOCKS

No. 41

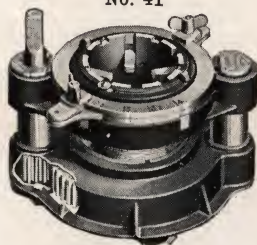


Fig. H-1456

No. 61

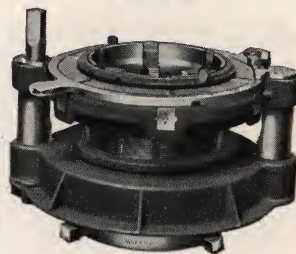


Fig. H-1457

No. 41

Threads all sizes— $2\frac{1}{2}$, 3, $3\frac{1}{2}$ and 4-inch—or variations from standard without changing dies. Steel and malleable construction make it strong and durable. The gears are cut steel and in addition are covered, which protects tool and operator. Threads are easily cut on the pipe in a ditch as well as at the bench. Has bushings and grip screws. A boy can thread 4-inch pipe.

| | | |
|--------------------------------|---------|---------------------|
| Threads Pipe | inches | $2\frac{1}{2}$ to 4 |
| Shipping Weight | pounds | 100 |
| Price, Complete | each | 110.00 |
| " Extra Dies, Right Hand | per set | 9.00 |

No. 61

No. 61 is of similar construction to the No. 41, except two sets of dies are used to cover the unusually large range. One set cuts $2\frac{1}{2}$, 3 and $3\frac{1}{2}$ -inch and the other set cuts 4, $4\frac{1}{2}$, 5 and 6-inch. No tool required to change the dies. One man cuts any size.

| | | |
|---|---------|---------------------|
| Threads Pipe | inches | $2\frac{1}{2}$ to 6 |
| Shipping Weight | pounds | 200 |
| Price, Complete | each | 220.00 |
| " Extra Dies, Right Hand ($2\frac{1}{2}$ to $3\frac{1}{2}$) or (4 to 6) | per set | 14.00 |

No. 80

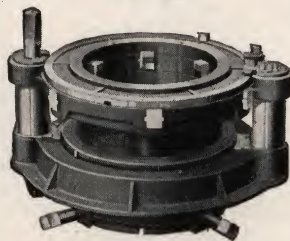


Fig. H-1458

No. 80 is constructed the same as Nos. 41 and 61 and uses two sets of dies. One set cuts $4\frac{1}{2}$, 5 and 6-inch and the other set cuts 7 and 8-inch. Steel construction makes light weight and strength. One man can cut an 8-inch thread.

| | | |
|---|---------|---------------------|
| Threads Pipe | inches | $4\frac{1}{2}$ to 8 |
| Shipping Weight | pounds | 230 |
| Price, Complete | each | 300.00 |
| " Extra Dies, Right Hand ($4\frac{1}{2}$ to 6) or (7 to 8) | per set | 20.00 |

REED PIPE VISES SELF-LOCKING

STANDARD, Nos. 71 TO 73

EXTRA HEAVY, Nos. 600 TO 66



Fig. H-1463

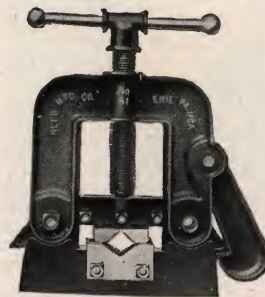


Fig. H-1464

STANDARD

| Number | 71 | 72 | 73 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|
| Holds Pipe.....inches | $\frac{1}{8}$ to $2\frac{1}{2}$ | $\frac{1}{8}$ to $3\frac{1}{2}$ | $\frac{1}{8}$ to $4\frac{1}{2}$ |
| Price.....each | 10.00 | 15.00 | 25.00 |
| " Extra Jaws.....per set | 3.00 | 4.50 | 6.00 |

EXTRA HEAVY

| Number..... | 600 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------------|---------------------------------|--------------------|---------------------------------|---------------------------------|---------------------------------|--------------------|--------|----------------------|
| Holds Pipe.....inches | $\frac{1}{8}$ to $1\frac{1}{2}$ | $\frac{1}{8}$ to 2 | $\frac{1}{8}$ to $2\frac{1}{2}$ | $\frac{1}{8}$ to $3\frac{1}{2}$ | $\frac{1}{8}$ to $4\frac{1}{2}$ | $\frac{1}{8}$ to 6 | 1 to 8 | $1\frac{1}{2}$ to 12 |
| Price.....each | 6.00 | 7.50 | 10.00 | 15.00 | 25.00 | 50.00 | 100.00 | 150.00 |
| " Extra Jaws.per set | 2.25 | 3.00 | 3.00 | 4.50 | 6.00 | 10.50 | 15.00 | 22.50 |

HINGED, WITH PIN
AND CHAIN, Nos. 81 TO 83



Fig. H-1465

STRAP, No. 51



Fig. H-1466

SOLID FRAME AND HINGED

| Number..... | 81 | 82 | 83 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|
| Holds Pipe.....inches | $\frac{1}{8}$ to $2\frac{1}{2}$ | $\frac{1}{8}$ to $3\frac{1}{2}$ | $\frac{1}{8}$ to $4\frac{1}{2}$ |
| Price.....each | 10.00 | 14.00 | 20.00 |
| " Extra Jaws.....per set | 3.00 | 4.50 | 6.00 |

STRAP

A vise for holding all kinds of nickel-plated and polished pipe and tubing without marring. The use of either rosin, whiting or chalk on the strap is necessary to prevent its slipping.

| | |
|--|------|
| Price, Holding Pipe $\frac{1}{8}$ to 2 inches.....each | 4.00 |
| " Extra Straps....." | .50 |

PIPE BENDING FORMS AND COMBINATION PIPE VISES WITH BENDING FORMS

VANDERMAN PIPE BENDING FORMS

For Straightening and Bending Pipe

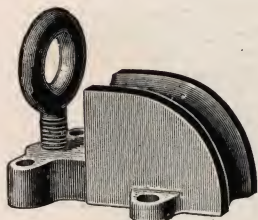


Fig. H-1467

This form makes a handy and indispensable fixture for a pipe bench. There is nothing about it to get out of order, and it will last a lifetime. In making bends in light tubes or nickel plated pipe a piece of sheet lead or leather placed on form and eye bolt will prevent any finished work from being marred.

| Number | 1 | 2 |
|-----------------------|---------------------------------|--------|
| Takes Pipe.....inches | $\frac{1}{8}$ to $1\frac{1}{4}$ | 1 to 2 |
| Price | 3.50 | 4.50 |

VANDERMAN IMPROVED PATENTED COMBINATION PIPE VISES

THREE COMBINATIONS IN ONE

No. 1

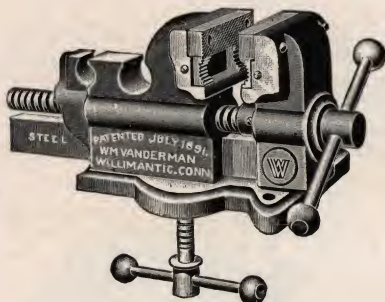


Fig. H-1468

CONSTRUCTED WITH STEEL SLIDING BAR

No. 3

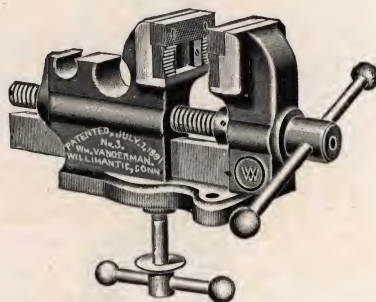


Fig. H-1469

The Vanderman Vise has large jaw surface for holding pipe, irregular surface work or fittings, forms for bending pipe, form or anvil surface to hammer on. The arrangement of pipe jaws permits of cutting close work. One of the strongest and most practicable vises on the market.

A combination pipe vise, to be useful and practical, must admit of each part of the combination being independent of the other. The combinations in the Vanderman Vise are independent of each other and do not conflict. It is a perfect combination vise and has many good advantages. It is strongly made and the parts made to duplicate and will give satisfaction. The sliding bar, screws, handles and joints are made of steel, and all the parts have been put to, and have stood the severest tests.

| Number | 0 | 1 | 3 |
|-------------------------------|---------------------------------|--------------------|---------------------|
| Holds Pipe.....inches | $\frac{1}{8}$ to $2\frac{1}{2}$ | $\frac{1}{8}$ to 7 | $\frac{1}{8}$ to 10 |
| With Bending Form up to....." | 1 | $1\frac{1}{2}$ | 2 |
| Weight.....pounds | 49 | 95 | 155 |
| Price | 15.00 | 20.00 | 30.00 |

Pipe jaws may be instantly removed, reversed or repaired. All parts for Vanderman Vises are made interchangeable.

PIPE WRENCHES

"TRIMO"



Fig. H-1470

STILLSON



Fig. H-1471

"TRIMO"

| Length Open.....inches | 6 | 8 | 10 | 14 | 18 | 24 | 36 | 48 |
|------------------------|--------------------------------|--------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|---------------------------------|--------|
| Takes Pipe.....inches | $\frac{1}{8}$ to $\frac{1}{2}$ | $\frac{1}{8}$ to $\frac{3}{4}$ | $\frac{1}{8}$ to 1 | $\frac{1}{4}$ to $1\frac{1}{2}$ | $\frac{1}{4}$ to 2 | $\frac{1}{4}$ to $2\frac{1}{2}$ | $\frac{1}{2}$ to $3\frac{1}{2}$ | 1 to 5 |
| Price.....each | 2.00 | 2.00 | 2.25 | 3.00 | 4.00 | 6.00 | 12.00 | 18.00 |
| " Movable Jaws... " | .75 | .75 | .80 | 1.00 | 1.33 | 2.10 | 4.75 | 7.25 |
| " Inserted " " " | .35 | .35 | .45 | .55 | .65 | .75 | 1.05 | 1.35 |
| " Frames..... " | .35 | .35 | .40 | .50 | .55 | .80 | 1.30 | 1.50 |
| " Nuts..... " | .11 | .11 | .14 | .17 | .22 | .35 | .55 | .95 |

Special narrow jaw wrench with wood handles, three sizes only, 6, 8 and 10-inch.

STILLSON

| Length Open.....inches | 6 | 8 | 10 | 14 | 18 | 24 | 36 | 48 |
|------------------------|--------------------------------|--------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|---------------------------------|--------|
| Takes Pipe.....inches | $\frac{1}{8}$ to $\frac{1}{2}$ | $\frac{1}{8}$ to $\frac{3}{4}$ | $\frac{1}{8}$ to 1 | $\frac{1}{4}$ to $1\frac{1}{2}$ | $\frac{1}{4}$ to 2 | $\frac{1}{4}$ to $2\frac{1}{2}$ | $\frac{1}{4}$ to $3\frac{1}{2}$ | 1 to 5 |
| Price.....each | 2.00 | 2.00 | 2.25 | 3.00 | 4.00 | 6.00 | 12.00 | 18.00 |
| " Jaws..... " | .75 | .75 | .80 | 1.00 | 1.33 | 2.10 | 4.75 | 7.25 |
| " Frames..... " | .35 | .35 | .40 | .50 | .55 | .80 | 1.30 | 1.50 |
| " Wood Handles.. " | .16 | .16 | .18 | .25 | .28 | .... | .... | .... |
| " Steel " " " | .... | .95 | 1.10 | 1.45 | 2.10 | 3.20 | 6.40 | 9.25 |
| " Adjusting Nuts.. " | .15 | .15 | .20 | .20 | .22 | .35 | .55 | .95 |
| " End Nuts..... " | .15 | .15 | .20 | .20 | .20 | .... | .... | .... |

BEMIS & CALL COMBINATION
WITH LONG NUT

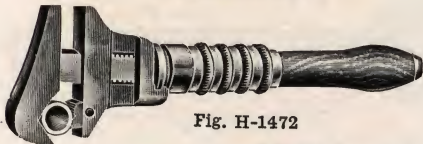


Fig. H-1472

THE COCHRAN



Fig. H-1473

BEMIS & CALL COMBINATION

| Size.....inches | 8 | 10 | 12 | 15 | 18 |
|--------------------------------|--------------------------------|--------------------|---------------------------------|---------------------------------|--------------------|
| Takes Pipe.....inches | $\frac{1}{4}$ to $\frac{3}{4}$ | $\frac{1}{4}$ to 1 | $\frac{1}{2}$ to $1\frac{3}{4}$ | $\frac{1}{2}$ to $2\frac{1}{4}$ | $\frac{1}{2}$ to 3 |
| Price, Short Nut.....per dozen | 21.00 | 23.00 | 26.00 | 37.00 | 66.00 |
| " Long " " " " " " | 23.00 | 25.25 | 28.50 | 40.50 | 72.00 |

THE COCHRAN

The frame and handle are one solid piece. Rocker replaces frame pin and is indestructible. Will positively not crush nor lock on pipe. No lost motion. Perfect grip and release. Cannot be injured by side pull owing to its solid frame construction. Jaws drop-forged from highest grade of tool steel adapted to use of wrenches.

| Size.....inches | 6 | 8 | 10 | 14 | 18 | 24 | 36 |
|------------------------------|--------------------------------|--------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|---------------------------------|
| Range of Pipe Sizes...inches | $\frac{1}{8}$ to $\frac{1}{2}$ | $\frac{1}{8}$ to $\frac{3}{4}$ | $\frac{1}{8}$ to 1 | $\frac{1}{4}$ to $1\frac{1}{2}$ | $\frac{1}{4}$ to 2 | $\frac{1}{4}$ to $2\frac{1}{2}$ | $\frac{1}{4}$ to $3\frac{1}{2}$ |
| No. Price, Complete...each | 2.00 | 2.00 | 2.25 | 3.00 | 4.00 | 6.00 | 12.00 |
| 1 " Hook Jaws.. " | .67 | .67 | .75 | 1.00 | 1.33 | 2.00 | 4.00 |
| 2 " Inst'd. " " " | .25 | .25 | .33 | .50 | .55 | .65 | 1.00 |
| 3 Rockers..... " | .26 | .26 | .28 | .40 | .50 | .65 | 1.30 |
| 4 Nuts..... " | .20 | .20 | .28 | .35 | .42 | .55 | .65 |
| 5 Springs..... " | .12 | .12 | .14 | .17 | .21 | .25 | .40 |

WRENCHES

"WESTCOTT" ADJUSTABLE "S" WRENCHES

Handle Malleable Iron, Jaw Forged Steel

ADJUSTABLE "S"



Fig. H-1474

ADJUSTABLE "S" PIPE



Fig. H-1475

| Size | 6 | 8 | 10 | 12 | 14 |
|---------------------------------|--------------------------------|--------------------------------|--------------------|---------------------------------|---------------------------------|
| "S" Wrench opens | $\frac{3}{4}$ | 1 | $1\frac{1}{8}$ | $1\frac{5}{8}$ | 2 |
| "S" Pipe Wrench takes Pipe. . . | $\frac{1}{8}$ to $\frac{3}{8}$ | $\frac{1}{8}$ to $\frac{3}{4}$ | $\frac{1}{8}$ to 1 | $\frac{1}{8}$ to $1\frac{1}{4}$ | $\frac{1}{8}$ to $1\frac{1}{2}$ |
| Price, Nut Jaws.....each | .15 | .20 | .30 | .35 | .40 |
| " Pipe " | .25 | .35 | .40 | .50 | .60 |
| " Thumbscrews....." | .10 | .12 | .15 | .15 | .20 |
| " Pins....." | .05 | .05 | .05 | .05 | .05 |
| " Adjust. "S" Wrenches....." | .60 | .75 | 1.00 | 1.25 | 1.75 |
| " " "S" Pipe Wrenches " | .60 | .75 | 1.00 | 1.25 | 1.75 |

ALLIGATOR WRENCHES

No. 1½



Fig. H-1476

Nos. 2, 3 AND 4



Fig. H-1477

| Number..... | Pocket | No. 1 | No. 1½ | No. 2 | No. 3 | No. 4 | No. 5 | Twin |
|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|
| Length.....inches | 4 | $5\frac{3}{4}$ | $5\frac{3}{4}$ | 9 | 16 | 22 | 27 | 10 |
| Holds Pipe. . ." | $\frac{1}{8}$ to $\frac{1}{4}$ | $\frac{1}{8}$ to $\frac{3}{8}$ | $\frac{1}{8}$ to $\frac{3}{8}$ | $\frac{3}{8}$ to $\frac{3}{4}$ | $\frac{1}{2}$ to $1\frac{1}{4}$ | $1\frac{1}{4}$ to 2 | 2 to 3 | $\frac{1}{8}$ to $\frac{3}{4}$ |
| " Round Iron " | $\frac{1}{4}$ " $\frac{9}{16}$ | $\frac{1}{4}$ " $\frac{3}{4}$ | $\frac{3}{8}$ " $\frac{3}{4}$ | $\frac{1}{2}$ " 1 | $\frac{3}{4}$ " $1\frac{1}{8}$ | $1\frac{1}{2}$ " $2\frac{1}{2}$ | $2\frac{1}{4}$ " $3\frac{1}{2}$ | $\frac{1}{4}$ " 1 |
| Price... per dozen | 3.00 | 4.00 | 4.50 | 12.00 | 24.00 | 36.00 | 60.00 | 18.00 |

PARMELEE PIPE WRENCHES

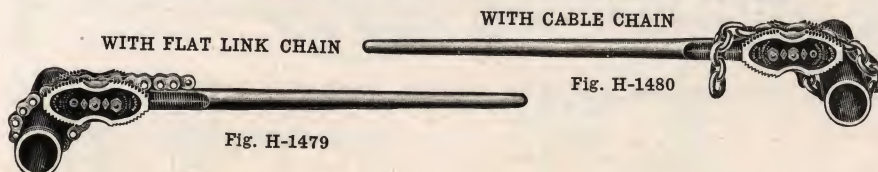


Fig. H-1478

| Number..... | 1 | 2 | 3 | 4 |
|-----------------------------|---|--|-----------------------|-------|
| Length of Handle.....inches | 10 | 20 | 25 | ..... |
| Price, Complete | 5.00 | 7.50 | 9.50 | 13.00 |
| Takes Pipe | $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 | 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2 | 2, $2\frac{1}{2}$, 3 | 3 4 |
| Price, Girths only.....each | .75 | 1.00 | 1.25 | 2.50 |
| " Wrench without Girths.. " | 2.25 | 3.00 | 5.00 | 3.00 |

WILLIAMS CHAIN PIPE TOOLS

"VULCAN" IMPROVED PATTERN CHAIN PIPE TONGS

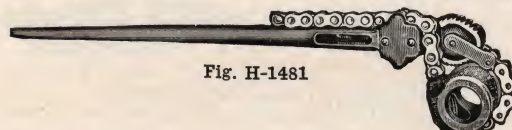


Double-ended, reversible jaws, readily turned when teeth first in use wear, provide for service of two tools at price of one. Unsurpassed strength, all parts interchangeable and fully warranted.

| Number Improved Pattern..... | 30 | 31 | 32 | 33 | 33½ | 34 | 35 | *16 |
|----------------------------------|---------|----------|----------|--------|--------|---------|---------|---------|
| Length .....inches | 13¾ | 20 | 27 | 37 | 44½ | 50½ | 64½ | 87 |
| Takes Pipe....." | 1½ to ¾ | 1½ to 1½ | 1½ to 2½ | ¾ to 4 | 1 to 6 | 1½ to 8 | 2 to 12 | 4 to 18 |
| Price, with Flat Link Chain each | 2.50 | 3.50 | 5.00 | 7.00 | 9.00 | 11.00 | 18.00 | 40.00 |
| " " Cable Chain.... " | 2.50 | 3.50 | 5.00 | 7.00 | 9.00 | 11.00 | 18.00 | 40.00 |
| " Extra Flat Link Chains..... " | .75 | 1.00 | 1.50 | 2.50 | 3.50 | 4.50 | 7.50 | 20.00 |
| " Cable Chains... " | .75 | 1.00 | 1.50 | 2.50 | 3.50 | 4.50 | 7.50 | 20.00 |
| " Jaws..... per pair | 1.00 | 1.75 | 2.75 | 4.00 | 4.75 | 5.50 | 7.50 | 16.00 |

*For pipe, etc., over 12 inches in diameter, only old style "Vulcans" are furnished.

"AGRIPPA" CHAIN PIPE AND FITTINGS TONGS



Universal for pipe and fittings.

For the tight, narrow places and bites on irregular forms when the parallel jaw chain wrench would fail. A single narrow powerful jaw for both pipe and fittings.

| Number | 20 | 21 | 22 | 23 | 23½ | 24 | 25 |
|-------------------------|---------|----------|----------|--------|--------|---------|---------|
| Length .....inches | 13¾ | 20 | 27 | 37 | 44½ | 50½ | 64½ |
| Takes Pipe Fittings.. " | 1½ to ¾ | 1½ to 1½ | 1½ to 2½ | ¾ to 4 | 1 to 6 | 1½ to 8 | 2 to 12 |
| Price.....each | 2.50 | 3.50 | 5.00 | 7.00 | 9.00 | 11.00 | 18.00 |
| " Extra Jaws..... " | 1.00 | 1.75 | 2.75 | 4.00 | 4.75 | 5.50 | 7.50 |
| " Chains.... " | 1.00 | 1.25 | 1.75 | 2.75 | 4.00 | 5.00 | 8.00 |

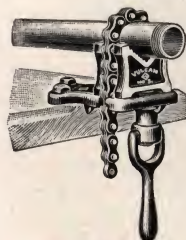


Fig. H-1482

"VULCAN" CHAIN PIPE VISES

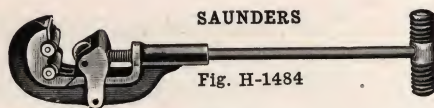
| Number | 1 | 2 | 4 |
|---------------------------------|---------|---------|--------|
| Holds Pipe.....inches | 1½ to 2 | 1½ to 4 | ¾ to 8 |
| Price, Complete.....each | 3.50 | 7.50 | 18.00 |
| " Extra Jaws..... per pair | 1.50 | 3.50 | 9.00 |
| " Chains (with Screw) .....each | 1.25 | 2.40 | 6.00 |
| " Handle and Nut..... " | 1.10 | 2.10 | 3.50 |
| " Screws..... " | .40 | .70 | 1.25 |
| " Nuts..... " | .70 | 1.35 | 2.00 |

PIPE CUTTERS



BARNES THREE-WHEEL

Fig. H-1483



SAUNDERS

Fig. H-1484

BARNES THREE-WHEEL PIPE CUTTERS

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 | 6½ | 7 |
|------------------------|--------|--------|---------|---------|--------|--------|---------|---------|
| Cuts Pipe.....inches | ⅛ to 1 | ½ to 2 | 1½ to 3 | 2½ to 4 | 4 to 6 | 6 to 8 | 8 to 10 | 9 to 12 |
| Price.....each | 4.50 | 6.00 | 10.00 | 20.00 | 30.00 | 40.00 | 45.00 | 50.00 |
| Extra Wheels. “ | .25 | .30 | .40 | .50 | .75 | .75 | .75 | .75 |
| “ Wheel Pins, per doz. | 1.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |

SAUNDERS PIPE CUTTERS

| Number..... | 1 | 2 | 3 | 4 | 5 |
|-------------------------|--------|--------|--------|---------|--------|
| Cuts Pipe.....inches | ⅛ to 1 | 1 to 2 | 2 to 3 | 2½ to 4 | 4 to 6 |
| Price.....each | 3.00 | 4.50 | 11.00 | 18.00 | 28.00 |
| “ Extra Wheels..... | .24 | .32 | .60 | .60 | .60 |
| “ “ Block and Wheel.. “ | 1.25 | 1.75 | 2.75 | 3.50 | 4.00 |
| “ “ Rollers..... | .24 | .32 | .50 | .50 | .60 |
| “ “ Pins..... | .10 | .10 | .15 | .15 | .15 |



“TRIMO”

Fig. H-1485



BEAVER SQUARE-END

Fig. H-1486

“TRIMO” PIPE CUTTERS

| Number..... | 1 | 2 | 3 |
|----------------------|---------|--------|---------|
| Cuts Pipe.....inches | ⅛ to 1¼ | ½ to 2 | 1¼ to 3 |
| Price.....each | 4.50 | 6.00 | 10.00 |
| “ Extra Wheels..... | .30 | .30 | .40 |
| “ “ Rolls..... | .30 | .30 | .40 |

BEAVER SQUARE-END PIPE CUTTERS

| | | |
|----------------------------|--------|--------|
| Cuts Pipe.....inches | ⅛ to 1 | ½ to 2 |
| Price, Complete.....each | 18.00 | 20.00 |
| “ Extra Knives.....per set | 1.20 | 1.50 |

CAST IRON PIPE CUTTERS

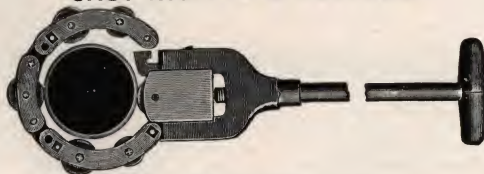


Fig. H-1487

| Number..... | 1 | 2 | 3 |
|----------------------|---------|------------|----------------|
| Cuts Pipe.....inches | 4, 6, 8 | 10, 12, 14 | 16, 18, 20, 24 |
| Price.....each | 25.00 | 34.00 | 50.00 |

MUELLER WATER TAPPING MACHINES

(Patented)

FOR TAPPING WATER MAINS AND INSERTING CORPORATION COCKS
UNDER PRESSURE

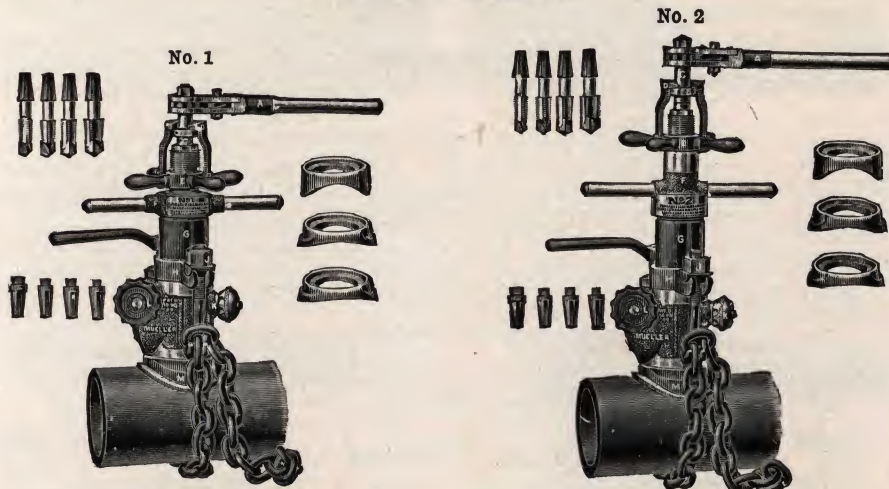


Fig. H-1488

Fig. H-1489

| | | |
|-------------------|------|--------|
| Price, No. 1..... | each | 90.00 |
| " " 2..... | " | 100.00 |

STANDARD EQUIPMENT

Standard equipment includes: Ratchet handle complete; combined feed nut and yoke with four-arm handle; tools with Mueller thread, sizes $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1-inch; plugs, male screw, sizes $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1-inch; malleable iron saddles, sizes for 4, 6, 8 and 10-inch cast iron pipe; small rubber gasket for top of saddles; large rubber gasket for all sizes of cast or wrought iron pipe; chain for 4 to 12-inch pipe; chain wrench, and body cleaning chisel. This equipment will always be furnished, unless otherwise specified.

EXTRA TOOLS, WITH MUELLER THREAD

| | | |
|--|------|------|
| Price, $\frac{1}{2}$ -inch Combined Drill, Reamer and Tap, $6\frac{3}{8}$ inches Long..... | each | 4.00 |
| " $\frac{5}{8}$ " " " " " " " $6\frac{3}{8}$ " " | " | 4.50 |
| " $\frac{3}{4}$ " " " " " " " $6\frac{3}{8}$ " " | " | 5.50 |
| " 1 " " " " " " " $6\frac{3}{8}$ " " | " | 6.50 |

$\frac{1}{2}$ -inch tap, also taps thread for $\frac{3}{8}$ -inch corporation cock.

EXTRA DRILLS, REAMERS AND TAPS—WITH IRON PIPE THREAD

When Purchased Separately

| | | | | | |
|-------------|--------|---------------|---------------|---------------|------|
| Size | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 |
| Price | each | 4.00 | 4.00 | 5.50 | 6.50 |

Drill, reamer and tap, with standard iron pipe thread, sizes $\frac{3}{8}$ to 1-inch, will be furnished without additional cost, when specified, instead of the four with Mueller thread given in the standard equipment.

No. 2 machine is same style and capacity as No. 1, but is heavier, and affords more power for the large taps.

PIPE TAPS, REAMERS, ETC.

PIPE TAP

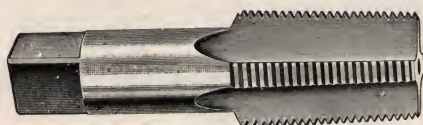


Fig. H-1490

PIPE REAMER



Fig. H-1491

| | | | | | | | |
|------------------------------|----------------|---------------|----------------|---------------|----------------|-------|----------------|
| Diameter..... inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ |
| Price, Taps or Reamers, each | 1.12 | 1.25 | 1.50 | 1.87 | 2.50 | 3.12 | 3.75 |
| Diameter..... inches | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | ..... |
| Price, Taps or Reamers, each | 4.62 | 6.25 | 10.50 | 15.00 | 42.00 | 50.00 | ..... |

COMBINED DRILL, REAMER AND TAP

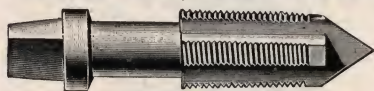


Fig. H-1492

FLAT DRILL



Fig. H-1493

COMBINED DRILL, REAMER AND TAP

| | | | | | | |
|----------------------|---------------|---------------|------|----------------|----------------|-------|
| Diameter..... inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
| Price..... each | 3.00 | 4.50 | 6.00 | 7.25 | 8.50 | 10.75 |

FLAT AND PIPE DRILLS

| | | | | | | | | |
|------------------------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|-------|
| Size..... inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1 |
| Price, Flat Drills..... each | .40 | .40 | .40 | .40 | .40 | .45 | .45 | .45 |
| " Pipe "..... " | .91 | .91 | .95 | .98 | ..... | 1.04 | ..... | 1.14 |
| Size..... inches | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 2 | $2\frac{1}{2}$ | 3 |
| Price, Flat Drills..... each | .50 | .55 | .60 | .65 | .75 | 1.00 | 1.00 | ..... |
| " Pipe "..... " | ..... | 1.23 | ..... | 1.35 | ..... | 1.56 | 1.80 | 3.25 |

ADJUSTABLE TAP WRENCH



Fig. H-1494

| | | | |
|-----------------------------|--------------------|--------|--------|
| Length..... inches | 42 | 56 | 72 |
| Holds Pipe Taps..... inches | $\frac{1}{4}$ to 1 | 1 to 2 | 2 to 4 |
| Price..... each | 7.00 | 15.00 | 25.00 |

SIZES OF TAP DRILLS FOR PIPE TAPS, BRIGGS STANDARD

| | | | | | | | | | | | |
|-----------------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|------------------|-----------------|----------------|----------------|
| Diameter of Tap..... inches | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| " " Drill..... " | $\frac{11}{32}$ | $\frac{7}{16}$ | $\frac{27}{64}$ | $\frac{45}{64}$ | $\frac{23}{32}$ | $1\frac{9}{64}$ | $1\frac{1}{2}$ | $1\frac{33}{64}$ | $2\frac{3}{16}$ | $2\frac{5}{8}$ | $3\frac{1}{4}$ |

DRILLS AND REAMERS

CUP STOVE DRILLS



Fig. H-1495

With set screw and loose center drill. For drilling stoves for both gas and water connections, cast iron pipe, enameled iron bath tubs, etc.

| | | | | | | | | |
|--------------------------|---------------|---------------|------|----------------|----------------|------|----------------|-------|
| For Pipe Size.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |
| Price.....each | 2.50 | 2.75 | 3.00 | 3.50 | 3.75 | 4.50 | 8.00 | 10.50 |

Larger sizes to order. Price, $\frac{1}{4}$ -inch center drills, 30 cents each.

MUELLER PIPE END REAMERS



No. 1, PLAIN

Fig. H-1496

(Patented)



No. 2, WITH RATCHET

Fig. H-1497

The ratchet used with No. 2 is so constructed that the strain is divided into half a dozen bearings, greatly increasing the durability of the tool. Reams pipe from $\frac{3}{8}$ to 3 inches, inclusive.

| | |
|------------------------------|------|
| Price, No. 1, Plain.....each | 5.00 |
| " " 2, with Ratchet....." | 7.50 |

TAPER REAMERS

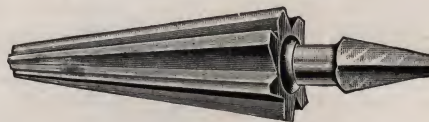


Fig. H-1498

| | | | | | | |
|-----------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Number..... | 1 | 2 | 3 | 4 | 5 | 6 |
| Size.....inches | $\frac{1}{4}$ to $\frac{7}{8}$ | $\frac{1}{4}$ to $1\frac{1}{8}$ | $\frac{3}{8}$ to $1\frac{1}{2}$ | $\frac{1}{2}$ to $1\frac{3}{4}$ | $\frac{1}{2}$ to 2 | $\frac{1}{2}$ to $2\frac{1}{4}$ |
| Tapers....." | $\frac{5}{8}$ | $\frac{7}{8}$ | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ |
| Reams Iron Pipe Size." | $\frac{1}{4}$ to $\frac{1}{2}$ | $\frac{1}{4}$ to $\frac{3}{4}$ | $\frac{3}{8}$ to 1 | $\frac{1}{2}$ to $1\frac{1}{4}$ | $\frac{1}{2}$ to $1\frac{1}{2}$ | $\frac{1}{2}$ to 2 |
| Length Over All....." | 5 | 6 | 6 | 6 | 6 | 6 |
| Price.....each | 3.00 | 3.50 | 4.50 | 5.50 | 6.50 | 7.50 |

TWIST DRILLS

BIT STOCK
FOR METAL OR WOOD

Fig. H-1499

STRAIGHT SHANK
JOBBER'S' LENGTH

Fig. H-1500

TAPER SHANK



Fig. H-1501

BLACKSMITHS' SHORT LENGTH
SHANKS 1/2-INCH DIAMETER AND 2 1/4 INCHES LONG

Fig. H-1502

BIT STOCK

For Metal or Wood

| | | | | | | | | |
|---------------------|------|------|-------|------|-------|------|-------|------|
| Diameter.....inches | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 |
| Price each | .14 | .20 | .29 | .38 | .48 | .62 | .75 | .87 |
| Diameter.....inches | 9/16 | 5/8 | 11/16 | 3/4 | 13/16 | 7/8 | 15/16 | 1 |
| Price each | 1.20 | 1.35 | 1.50 | 1.65 | 1.80 | 1.95 | 2.15 | 2.35 |

STRAIGHT SHANK

Jobbers' Length

| | | | | | | | | |
|---------------------|------|-----|------|-----|------|-----|------|-----|
| Diameter.....inches | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 |
| Price each | .09 | .13 | .20 | .28 | .37 | .48 | .59 | .70 |

TAPER SHANK

| | | | | | | | | |
|---------------------|------|------|-------|------|-------|------|-------|------|
| Diameter.....inches | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 |
| Price each | .35 | .45 | .50 | .60 | .70 | .80 | .90 | 1.00 |
| Diameter.....inches | 9/16 | 5/8 | 11/16 | 3/4 | 13/16 | 7/8 | 15/16 | 1 |
| Price each | 1.20 | 1.40 | 1.60 | 1.85 | 2.15 | 2.45 | 2.75 | 3.00 |

BLACKSMITHS' SHORT LENGTH

Shanks 1/2-inch Diameter and 2 1/4 Inches Long

| | | | | | | | | |
|---------------------|------|-------|------|-------|------|-------|------|------|
| Diameter.....inches | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 |
| Price each | .45 | .50 | .60 | .70 | .75 | .80 | .85 | .90 |
| Diameter.....inches | 5/8 | 11/16 | 3/4 | 13/16 | 7/8 | 15/16 | 1 | ... |
| Price each | 1.05 | 1.15 | 1.25 | 1.35 | 1.45 | 1.60 | 1.80 | ... |

VICTOR HACK SAW FRAMES

ADJUSTABLE, No. 240



Fig. H-1503

EXTENSION, No. 25



Fig. H-1504

| | | |
|------------------------|---------|---------|
| Number | 240 | 25 |
| Will Hold Blades | 8 to 12 | 8 to 12 |
| Price, Polished | 18.00 | 11.40 |
| “ Nickel-plated ..... | ..... | 12.60 |

ADJUSTABLE, No. 2400

SOLID JAPANNED, No. 21



Fig. H-1505



Fig. H-1506

SOLID JAPANNED, REMOVABLE HANDLE, No. 21

| | | |
|-----------------------|------|------|
| Length of Blade | 8 | 9 |
| Price | 3.25 | 3.75 |

ADJUSTABLE, No. 2400

| | |
|-----------------------|---------|
| Length of Blade | 8 to 12 |
| Price | 24.00 |

RAIL HAND



Fig. H-1507

Especially adapted for cutting off beams, girders, rivet heads, smiths' work, dockyard use, etc., by hand. The frames are solid steel forged, having an adjustment at each end to take up any give in the frame.

Made with handle on each end if required, at an advance of 3.00 per dozen.

Length of blade measures from center to center of hole.

| | | | | | | | | | | |
|--------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Number | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 P | 2700 P | 2700 P | 2700 P | 2700 P |
| Depth | 7 1/4 | 10 1/4 | 10 1/4 | 10 1/4 | 10 1/4 | 7 1/4 | 10 1/4 | 10 1/4 | 10 1/4 | 10 1/4 |
| Length of Blade .. | 9 | 12 | 13 1/2 | *16 | *18 | 9 | 12 | 13 1/2 | *16 | *18 |
| Price, Nickel-plated, per doz. | 24.00 | 26.00 | 28.00 | 32.00 | 36.00 | ..... | ..... | ..... | ..... | ..... |
| “ Polished ..... | ..... | ..... | ..... | ..... | ..... | 20.00 | 22.00 | 24.00 | 26.00 | 32.00 |

*Furnished with handle on each end if required. Add 3.00 to regular list.

VICTOR HACK SAW BLADES **HAND—ALL HARD No. 1 AND No. 2 FLEXIBLE**

| Size Inches | TEETH PER INCH—FOR CUTTING | | | | | Price per Gross |
|--------------------------|----------------------------|-------------------------|--|---|--|-----------------------|
| | Regular Stock Blade | Soft Steel Cast Iron | Tool Steel Hard Metals Light Angle Iron | Brass, Copper Drill Rod Iron Pipe Sheet Metals | Thin Tubing Electric Casing Thin Sheet Metals | |
| 8x $\frac{1}{2}$ x.025 | 18 | 14 | 18 | 24 | 32 | 8.00 |
| 9x $\frac{1}{2}$ x.025 | 18 | 14 | 18 | 24 | 32 | 9.00 |
| 10x $\frac{1}{2}$ x.025 | 18 | 14 | 18 | 24 | 32 | 10.00 |
| 11x $\frac{1}{2}$ x.025 | .. | .. | .. | 24 | 32 | 11.00 |
| 11x $\frac{9}{16}$ x.025 | 18 | 14 | 18 | .. | .. | 11.00 |
| 12x $\frac{1}{2}$ x.025 | .. | 14 | 18 | 24 | 32 | 12.00 |
| 12x $\frac{9}{16}$ x.025 | 18 | 14 | 18 | .. | .. | 12.00 |
| 12x $\frac{9}{16}$ x.028 | .. | 14* | 18 | .. | .. | 12.60 |
| 14x $\frac{9}{16}$ x.028 | 14 | 14 | 18 | 24 | 32 | 15.00 |
| 14x $\frac{5}{8}$ x.028 | .. | 14 | 18 | .. | .. | 16.20 |
| 16x $\frac{5}{8}$ x.032 | 14 | 14 | 18 | 24 | .. | 19.20 |
| 18x $\frac{5}{8}$ x.032 | 14 | 14 | 18 | .. | .. | 21.60 |
| 18x $\frac{3}{4}$ x.032 | 14 | 14 | 18 | .. | .. | 24.30 |

*This blade made strong enough for light power machine work.

HAND SPECIAL

| | | | | | | |
|--|-----------|------|------|-------|-------|-------|
| Length | inches | 8 | 9 | 10 | 12 | 14 |
| Special AA, No. 1, 14 and 18 Teeth, for Hard High Carbon Rails | per gross | 8.00 | 9.00 | 10.00 | 12.00 | 15.00 |
| " B, " 2, Flexible only, for Brass and Light Angle Iron | " | 8.00 | 9.00 | 10.00 | 12.00 | 15.00 |

All lengths given for hand blades measure from center to center of holes.

No. 4 POWER BLADES—For Light and Heavy Power Machines

| | | | | | | | | | | |
|--------------|-----------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| Length | inches | 8 | 9 | 10 | 10 | 10 | 10 | 12 | 12 | 12 |
| Width | inches | $\frac{9}{16}$ | $\frac{5}{8}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ |
| Gauge | number | 22 | 22 | 21 | 21 | 18 | 18 | 21 | 21 | 18 |
| Price | per gross | 9.00 | 9.60 | 12.00 | 13.50 | 19.50 | 24.50 | 14.40 | 16.20 | 23.40 |
| " | per dozen | .75 | .80 | 1.00 | 1.13 | 1.63 | 2.04 | 1.20 | 1.35 | 1.95 |
| <hr/> | | | | | | | | | | |
| Length | inches | 12 | 14 | 14 | 14 | 14 | 16 | 16 | 17 | 17 |
| Width | inches | 1 | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | $\frac{3}{4}$ | 1 | 1 | 1 |
| Gauge | number | 18 | 21 | 21 | 18 | 18 | 18 | 18 | 18 | 16 |
| Price | per gross | 29.40 | 16.80 | 18.90 | 27.30 | 34.30 | 31.20 | 39.20 | 41.65 | 53.55 |
| " | per dozen | 2.45 | 1.40 | 1.58 | 2.28 | 2.86 | 2.60 | 3.27 | 3.47 | 4.46 |
| <hr/> | | | | | | | | | | |
| Length | inches | 18 | 18 | 20 | 20 | 22 | 22 | 24 | 24 | 24 |
| Width | inches | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | $\frac{11}{16}$ |
| Gauge | number | 18 | 16 | 18 | 16 | 18 | 16 | 18 | 16 | 16 |
| Price | per gross | 44.10 | 56.70 | 49.00 | 63.00 | 53.90 | 69.30 | 58.80 | 75.60 | 120.00 |
| " | per dozen | 3.68 | 4.73 | 4.09 | 5.25 | 4.50 | 5.78 | 4.90 | 6.30 | 10.00 |

SPECIAL

| Description | PRICE | |
|--|----------|-----------|
| | Per Doz. | Per Gross |
| 12-inch Special "T" Tubing | 1.35 | 16.20 |
| 14 " " "T" " | 1.58 | 18.90 |
| 12 " " "B" Angle Iron | 1.35 | 16.20 |
| 14 " " "B" " | 1.58 | 18.90 |
| 14 " " "P" Portable Rail Machine | 1.58 | 18.90 |
| 17 " " "P" " | 1.92 | 22.95 |

Lengths of No. 4 power blades measure from center to center of holes, excepting 14 and 17-inch lengths; these measure $13\frac{1}{2}$ and $16\frac{1}{2}$ inches.

When length only is specified, we will furnish power blades in all lengths up to and including 14 inches, .032 inch thick. Longer lengths up to 24 inches, .049 inch thick; 24 inches and longer, .065 inch thick.

PLUMBERS' TOOLS

BALL PEIN HAMMER

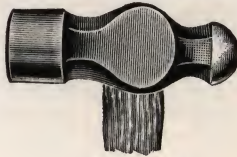


Fig. H-1508

RATCHET BRACE

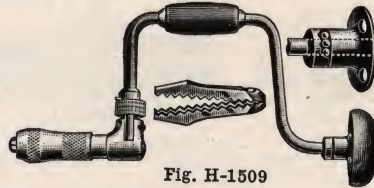


Fig. H-1509

BALL PEIN HAMMERS

| Number.... | 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|-------|--------|-------|---------|---------|---------|--------|---------|---------|---------|--------|
| Weight..... | 8 oz. | 12 oz. | 1 lb. | 1¼ lbs. | 1½ lbs. | 1¾ lbs. | 2 lbs. | 2¼ lbs. | 2½ lbs. | 2¾ lbs. | 3 lbs. |
| Price..per dozen | 12.00 | 12.00 | 12.50 | 13.50 | 14.50 | 15.50 | 16.50 | 17.50 | 19.00 | 20.50 | 22.00 |

BRACES

| | | |
|--|------|------|
| Price, Ratchet Brace, 10-inch Sweep..... | each | 2.10 |
| " Plain " 10 " "..... | " | .40 |

EXPANSIVE BITS

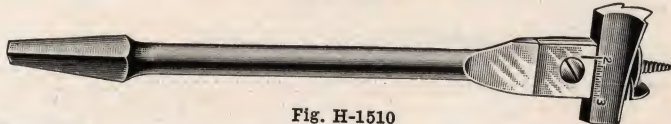


Fig. H-1510

| Number..... | 1 | 2 |
|---------------------|---------|--------|
| Cuts.....inches | ½ to 1½ | ⅞ to 3 |
| Price.....per dozen | 18.00 | 26.00 |

EXTRA CUTTERS FOR EXPANSIVE BITS

| Number..... | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------|--------|---------|---------|---------|--------|--------|
| For Bit Number..... | 1 | 1 | 2 | 2 | 2 | 2 |
| Size.....inches | ½ to ⅞ | ⅞ to 1½ | ⅞ to 1¾ | 1¾ to 3 | 3 to 4 | 4 to 5 |
| Price.....per dozen | 3.00 | 3.75 | 5.25 | 6.00 | 9.00 | 12.00 |

SCREWDRIVER

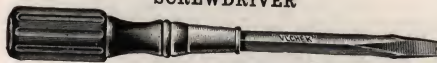


Fig. H-1511

FILE



Fig. H-1512

RASP



Fig. H-1513

SCREWDRIVERS

| Length of Blade.....inches | 4 | 6 | 8 | 10 | 12 |
|----------------------------|------|------|------|-------|-------|
| Price.....per dozen | 4.25 | 6.00 | 8.00 | 10.00 | 12.00 |

FILES AND RASPS

| Length.....inches | 10 | 12 | 14 |
|----------------------------|-----|------|------|
| Price, Flat Files.....each | .40 | .60 | .80 |
| " Half Round Rasps....." | .75 | 1.05 | 1.40 |



Fig. H-1514

"TRIMO" BASIN WRENCHES

| | |
|----------------|------|
| Price.....each | 1.25 |
|----------------|------|

PLUMBERS' TOOLS

GREASE, ROSIN AND
FLOUR BOX

Fig. H-1515

POCKET SPIRIT LEVEL



Fig. H-1516

MEASURING TAPE



Fig. H-1517

RULE



Fig. H-1518

| | | |
|---|------|------|
| Price, Grease, Rosin and Flour Boxes, Medium Sizes..... | each | 1.50 |
| " Pocket Spirit Levels..... | " | .17 |
| " Regular Wood Spirit Levels..... | " | .42 |
| " Measuring Tapes, 25-foot, Cloth..... | " | .32 |
| " " " 50 " "..... | " | .42 |
| " " " 100 " "..... | " | .75 |
| " 2-foot Rules, Plain..... | " | .20 |
| " 2 " " Brass Bound..... | " | .70 |

COMBINATION PLIERS



Fig. H-1519

GAS PLIERS



Fig. H-1520

BURNER PLIERS



Fig. H-1521

COMBINATION PLIERS

| | | | | |
|----------------------|-----------|-------|-------|-------|
| Length..... | inches | 6 | 8 | 10 |
| Price, Black..... | per dozen | 13.50 | 16.00 | 18.00 |
| " Nickel-plated..... | " | 15.00 | 18.00 | 21.00 |
| " Extra Bolts..... | each | .07 | .08 | .10 |
| " " Nuts..... | " | .05 | .06 | .06 |

GAS AND BURNER PLIERS

| | | | | | | | | |
|------------------------|-----------|------|------|-------|------|-------|-------|-------|
| Length..... | inches | 5 | 6 | 7 | 8 | 10 | 12 | 14 |
| Price, Gas Pliers..... | per dozen | 6.50 | 6.50 | 10.00 | 8.25 | 10.70 | 13.00 | 14.00 |
| " Burner Pliers..... | " | | | | | | | |

SNIPS
REGULAR PATTERN

Fig. H-1522

BELT, RUBBER AND PACKING SHEARS

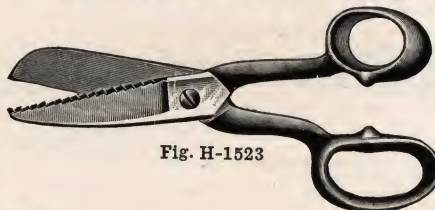


Fig. H-1523

SNIPS

| | | | | |
|------------|--------|------|------|------------|
| Cuts..... | inches | 3 | 4 | 3 Circular |
| Price..... | each | 1.50 | 2.50 | 2.50 |

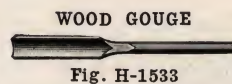
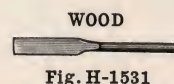
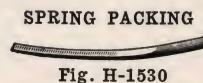
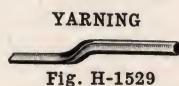
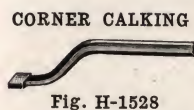
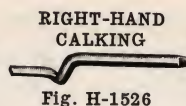
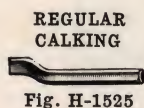
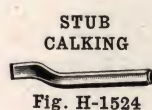
BELT, RUBBER AND PACKING SHEARS

These shears are of the highest grade steel and will cut leather or rubber belting, rubber hose, asbestos, packing and similar material much better than a knife.

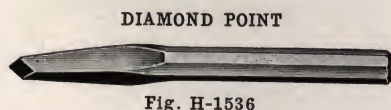
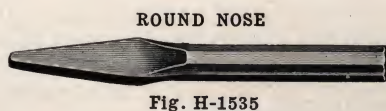
| | | |
|------------|------|------|
| Price..... | each | 3.50 |
|------------|------|------|

PLUMBERS' TOOLS

CHISELS



| | | |
|-----------------------------------|------|------|
| Price, Stub Calking Chisels..... | each | .27 |
| " Regular " " | " | .27 |
| " Right-Hand Calking Chisels..... | " | .27 |
| " Left- " " " | " | .27 |
| " Corner Calking Chisels..... | " | .42 |
| " Yarning Chisels..... | " | .27 |
| " Spring Packing Chisels..... | " | .67 |
| " Wood, 1-inch Chisels..... | " | .34 |
| " Floor, 3- " " | " | 1.00 |
| " Wood Gouge " | " | .36 |



| | | | | | |
|------------------------------|--------|---------------|---------------|---------------|---------------|
| Size of Bar..... | inches | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
| Price, Cold Chisels | each | .25 | .30 | .40 | .55 |
| " Round Nose Chisels | " | ... | ... | .50 | ... |
| " Diamond Point Chisels..... | " | ... | ... | .50 | ... |
| " Cape Chisels..... | " | ... | ... | .50 | ... |

PLUMBERS' TOOLS

LEAD AND SOLDER MOULDS

PIG LEAD MOULD



Fig. H-1538

INGOT LEAD MOULD



Fig. H-1539

BAR SOLDER MOULD



Fig. H-1540

| | | |
|-----------------------|------|------|
| Price, Pig Lead | each | 2.40 |
| " Ingot Lead | " | 1.20 |
| " Bar Solder | " | 2.40 |

TACK MOULDS

PLAIN, DOUBLE



Fig. H-1541

STAR, DOUBLE



Fig. H-1542

NYE
WIPING CLOTH

Fig. H-1543

TACK MOULDS

| | | |
|------------------------------------|------|------|
| Price, Double, Plain or Star | each | 2.00 |
| " Single, " " " | " | 1.50 |

NYE WIPING CLOTHS

| | | | | |
|---|--------|-------------------|-------|------|
| Sizes | inches | 2x2, 2½x2½ 3x3 | 3½x3½ | 4x4 |
| Price, Best Quality Herringbone Ticking, 16-ply Dry . per dozen | | 1.90 | 2.10 | 2.30 |
| " Genuine English Moleskin, 8-ply Dry | " | 2.75 | 3.00 | 3.15 |

SOLDERING COPPERS

POINTED PATTERN



Fig. H-1544

SWIVEL HATCHET PATTERN

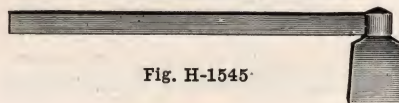


Fig. H-1545

| | | | | | | | |
|------------------------------|-----------|------|------|-----|-----|------|------|
| Weight, per Pair | pounds | 1 | 1½ | 2 | 2½ | 3 | 4 |
| Price, Pointed Pattern | per pound | .36 | .33 | .32 | .31 | .30 | .30 |
| " Hatchet " | " | ... | ... | ... | ... | .35½ | .35½ |
| Weight, per Pair | pounds | 5 | 6 | 8 | 10 | 12 | ... |
| Price, Pointed Pattern | per pound | .30 | .30 | .30 | .30 | .30 | ... |
| " Hatchet " | " | .35½ | .35½ | ... | ... | ... | ... |

PLUMBERS' TOOLS



Fig. H-1546



Fig. H-1547

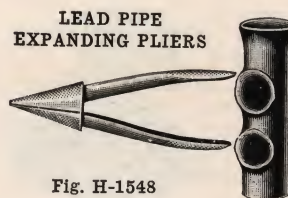


Fig. H-1548

| | | |
|-----------------------------------|------|------|
| Price, Oval Shave Hooks..... | each | .25 |
| " Tap Borers..... | " | .30 |
| " Lead Pipe Expanding Pliers..... | " | 1.50 |

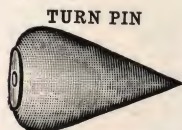


Fig. H-1549



Fig. H-1550



Fig. H-1551

| | | |
|---|------|------|
| Price, Turn Pins, Nos. 1, 2 and 3, Boxwood..... | each | .21 |
| " Drift Plugs, 1, 1 1/4, 1 1/2 and 2-inch, Boxwood..... | " | .15 |
| " Dressers, Boxwood..... | " | 1.00 |

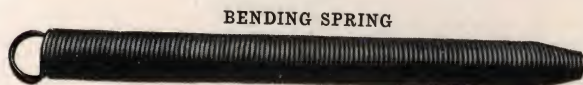


Fig. H-1552

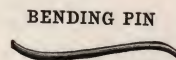


Fig. H-1553

| | | |
|---|------|------|
| Price, Bending Springs, 1 1/4-inch..... | each | 1.25 |
| " " " 1 1/2 "..... | " | 1.50 |
| " " " 2 "..... | " | 2.00 |
| " " Pins..... | " | .27 |

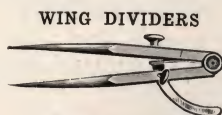


Fig. H-1554

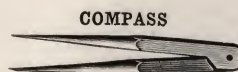


Fig. H-1555

| | | |
|--|------|-----|
| Price, Wing Dividers, 5 or 6-inch..... | each | .46 |
| " " " 8-inch..... | " | .63 |
| " Compasses, 6-inch..... | " | .34 |

PLUMBERS' TOOLS

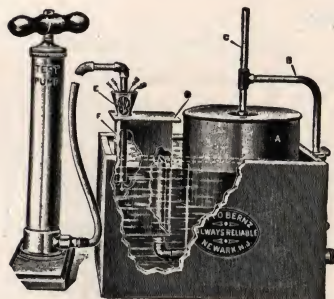


Fig. H-1560

SMOKE TEST MACHINE

| | | |
|----------------------------------|------|-------|
| Price..... | each | 24.00 |
| “ with Test Pump..... | “ | 28.50 |
| “ “ “ “ Hose and Couplings | “ | 31.50 |

BIBB SEAT DRESSER

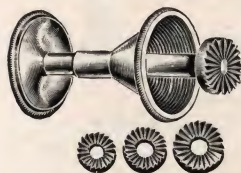


Fig. H-1561

WASHER CUTTER

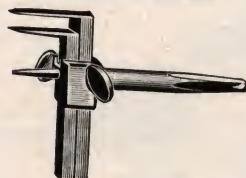


Fig. H-1562

PLUMBER'S CANDLE

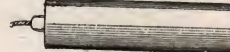


Fig. H-1563

| | | |
|---|------------------|------|
| Price, Bibb Seat Dresser with $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ -in. Cutters..... | each | 2.00 |
| " Washer Cutter..... | " | .84 |
| " Plumbers' Candles..... | per pound | .20 |
| " " "..... | per 20 pound box | 3.20 |

TOOL BAGS

STYLE G

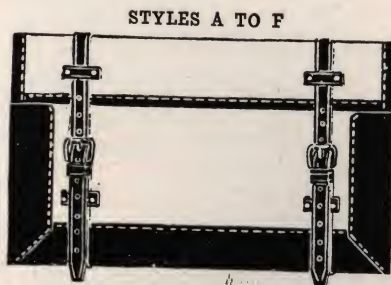


Fig. H-1564

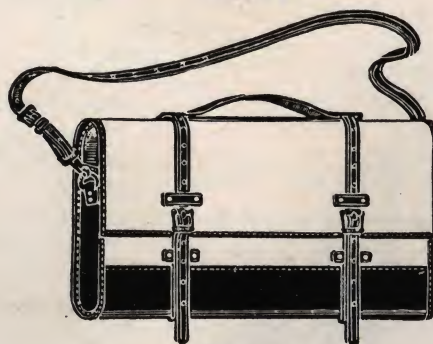


Fig. H-1565

| | | |
|--|------|------|
| Price, Style A, 16x25-inch Carpet Tool Bag, 3½-inch Leather Trimmings, Sides and Bottom, Top Bound for ¾-inch Leather | each | 4.40 |
| “ Style C, same as Style A, except Sides Bound for ¾-inch Width Leather, Bottom without Binding..... | “ | 3.50 |
| “ Style F, 12x24-inch Carpet Tool Bag, 3½-inch Leather Bottom Trim- mings..... | “ | 5.00 |
| “ Style G, 15x24-inch Carpet Tool Bag, 3½-inch Leather Bottom Trim- mings..... | “ | 6.00 |

PLUMBERS' TOOLS

GAS PROVING PUMPS

WITH SPRING GAUGE

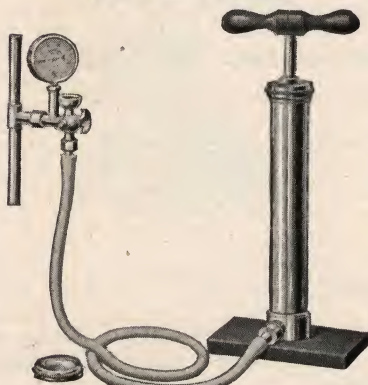


Fig. H-1566

WITH MERCURY GAUGE

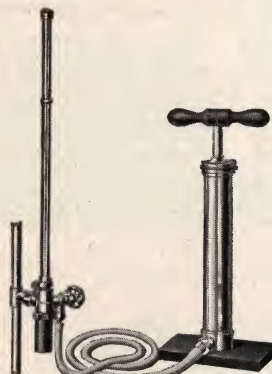


Fig. H-1567

| | | |
|---|------|-------|
| Price, Pump Complete, with Brass Case Spring Gauge..... | each | 30.00 |
| " " " Mercury Gauge..... | " | 25.00 |
| " " and Hose only..... | " | 15.00 |
| " " only..... | " | 13.00 |
| Brass Case Spring Gauge, Valve and Ether Cup..... | each | 15.00 |
| " " " " only..... | " | 10.00 |
| Mercury Gauge, Valve and Ether Cup..... | " | 10.00 |
| Valve and Ether Cup only..... | " | 5.00 |
| Mercury Cup only..... | each | 4.00 |
| Ether " " | " | .50 |
| " Mercury Glass " | " | 1.00 |
| " " " Guard only..... | " | 1.50 |
| Hose only, (6 feet)..... | " | 2.00 |

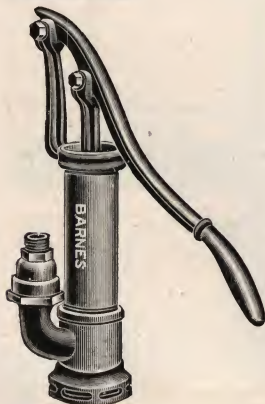
PLUMBER'S
FORCE PUMP

Fig. H-1568

PLUMBERS' FORCE PUMPS

Diameter of cylinder, 2 inches; stroke, 5 inches; discharge, $\frac{3}{4}$ -inch hose.

| | | |
|------------|------|------|
| Price..... | each | 7.00 |
|------------|------|------|

GAS MAIN FORCE PUMPS

These force pumps are superior to other pumps on the market, having improved patented valves, thereby increasing their durability.

Pump chamber, $2\frac{1}{8}$ x16 inches; air reservoir, 7x18 inches; extreme height, 26 inches.

| | | |
|-----------------------------|------|-------|
| Price..... | each | 24.00 |
| " Old Style Force Pump.. | " | 19.00 |

The old style pump has pump chamber $2\frac{1}{8}$ x12 inches; air reservoir, 8x10 inches; extreme height, 25 inches.

GAS MAIN
FORCE PUMP

Fig. H-1569

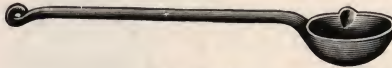
LADLES, POTS AND JOINT RUNNERS**LADLE**

Fig. H-1570

LADLES

| | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|
| Diameter of Bowl inches | 2½ | 3 | 3½ | 4 | 5 | 6 | *7 | *8 | *9 | *10 |
| Capacity, Lead pounds | 1 | 1½ | 3¼ | 4 | 8½ | 18 | 26 | 45 | 57 | 80 |
| Length of Handle inches | 10 | 11 | 13 | 14 | 20 | 22 | 24 | 30 | 32 | 36 |
| Price per dozen | 2.75 | 3.50 | 4.00 | 4.75 | 6.50 | 8.00 | 12.00 | 15.00 | 20.00 | 24.00 |

*These sizes are extra heavy. **SOLDER POTS**

| | | | | | | |
|-----------------------|-----|-----|-----|------|------|------|
| Size inches | 5 | 6 | 7 | 8 | 10½ | 13½ |
| Price each | .50 | .65 | .80 | 1.10 | 1.75 | 3.50 |

SOLDER POT

Fig. H-1571

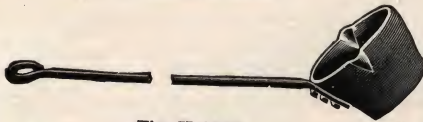
POURING LADLE

Fig. H-1572

POURING POT

Fig. H-1573

POURING LADLES

| | | |
|-----------------------------------|------|------|
| Diameter of Bowl inches | 5 | 8 |
| Capacity, about pounds | 25 | 50 |
| Price each | 2.00 | 3.00 |

POURING POTS

Pressed steel melting kettle with pouring lip, hinged bail and tilting hooks.

| | | | | |
|---------------------------|------|------|------|------|
| Diameter inches | 7 | 8 | 9 | 10 |
| Capacity pounds | 50 | 75 | 100 | 125 |
| Price each | 3.50 | 3.90 | 4.20 | 4.60 |

The depth of pot is about three quarters its diameter.

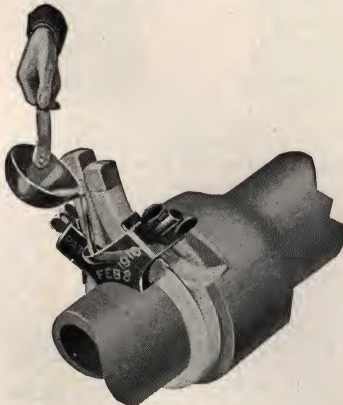


Fig. H-1574

PEERLESS LEAD JOINT RUNNERS

The square asbestos rope is of the best grade. It is firmly held around the pipe by a new patented clamp. This clamp is provided with a liberal pouring cup which receives the metal and delivers it exactly where it is wanted, without waste, leaving a smooth finished job. In operating this clamp it is only necessary to release one end of the rope. The steel thumbscrews work on a multiple thread, making the operation very rapid.

| | |
|---|------|
| Price, No. 1, for Pipe 2 to 6-inch each | 1.50 |
|---|------|

C & L FIRE POTS FOR GASOLINE AND KEROSENE



Fig. H-1575



Fig. H-1576



Fig. H-1577

No. 1. For tinner, galvanized iron and copper workers, plumbers and electricians. It is 12½ inches high, 9¾ inches in diameter at base, 6¾ inches in diameter at top. The tank is made of heavy gauge welded steel—no soldered joints.

No. 5 is the same as No. 1, except smaller.

No. 71. Noiseless, smokeless and odorless. Has sub-flame for generator. Burner has double heating surfaces. The gas is superheated and produces a very hot flame.

No. 72. Exactly the same as the No. 71, only one size smaller.

No. 221. For heavy roofing and cornice work. A strong, durable and economical fire pot. Quickly heats coppers weighing 16 pounds and under.



Fig. H-1578

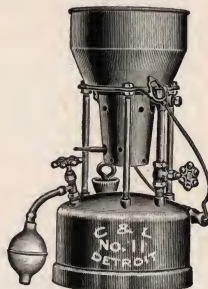


Fig. H-1579

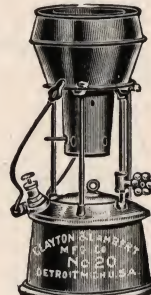


Fig. H-1580



Fig. H-1581

No. 21 steel fire pot is extra strong and durable. Tank is heavy gauge with bottom and fittings welded in (not soldered). Extra heavy uprights and top plate and large filler. Fitted with automatic brass pump.

No. 11 is the same as No. 21, but has rubber bulb to produce pressure.

No. 20 galvanized fire pot is made with brass fittings. Tank is galvanized iron. Automatic brass pump produces air pressure.

No. 10 is the same as No. 20, but has rubber bulb to produce pressure.

No. 41 fire pot is made with galvanized iron tank with malleable iron fittings.

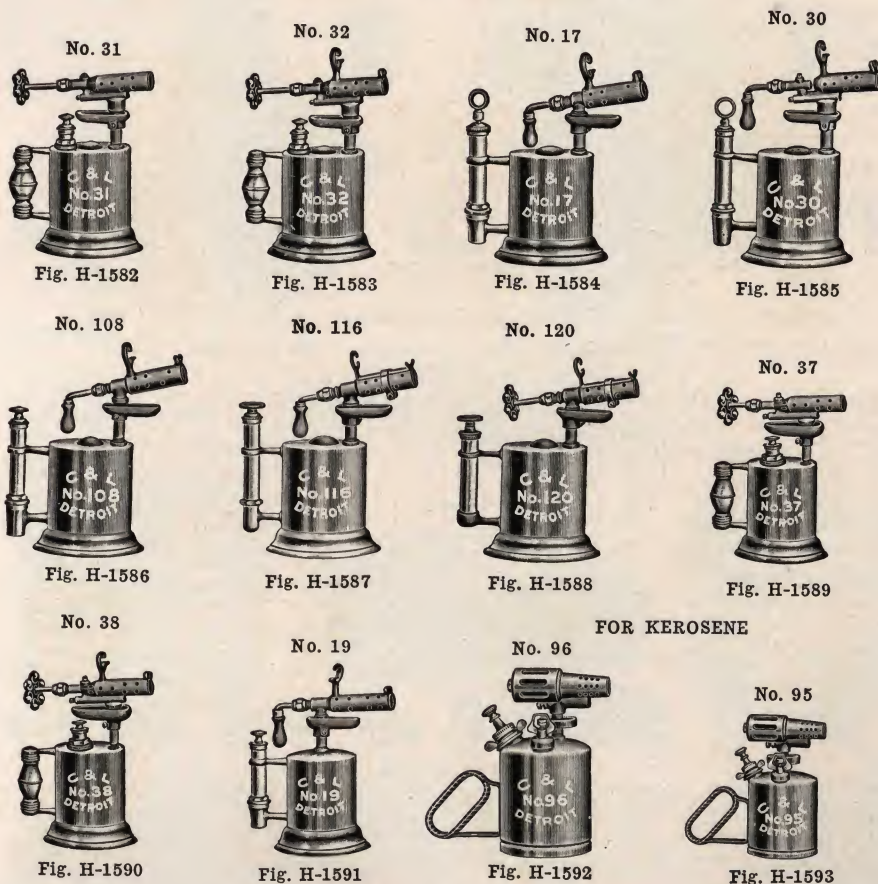
No. 31 is the same as No. 40, except with rubber bulb.

| Number | 1 | 5 | 71 | 72 | *221 | 21 | 11 | 20 | 10 | 41 | 31 |
|---------------------|------|------|------|------|-------|------|------|------|------|------|------|
| Capacity .....pints | 7 | 5 | 7 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Price .....each | 9.00 | 6.75 | 9.00 | 6.75 | 10.00 | 6.00 | 5.50 | 5.00 | 4.50 | 4.50 | 4.00 |

*For kerosene.

C & L TORCHES

FOR GASOLINE AND KEROSENE



| | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| Number | 31 | 32 | *16 | 17 | *29 | 30 | *107 | 108 | 116 | 120 |
| Capacity.....pints | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Price.....each | 5.25 | 5.50 | 5.00 | 5.25 | 4.50 | 4.75 | 4.00 | 4.25 | 3.30 | 3.00 |
| Number | *37 | 38 | *18 | 19 | 118 | 122 | 96 | 95 | .... | .... |
| Capacity.....pints | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | .... | .... |
| Price.....each | 4.60 | 4.85 | 4.25 | 4.50 | 3.10 | 2.30 | 5.00 | 4.50 | .... | .... |

*Same torch as next highest number, except without hook and support for soldering copper. No. 118 same as No. 116 and No. 122 same as No. 120, except pint size and all four styles have loose soldering copper attachments that fit onto burner tube.

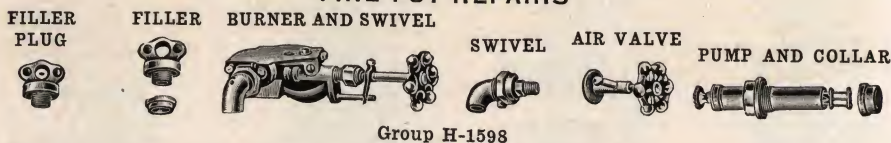
Nos. 96 and 95 are for kerosene; all others are for gasoline.

FIRE POT AND PUMP REPAIRS



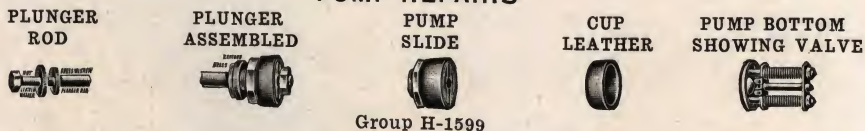
| Description | Each | Description | Each | Description | Each |
|--------------------------|------|----------------------|------|--------------------------|------|
| Reservoir | 3.60 | Handle Ear | .16 | Nuts | .04 |
| Nos. 1 or 2 Shield | 1.00 | Filler Plug | .30 | Upright | .16 |
| No. 3 Shield | 2.00 | Coil | .80 | Connecting Pipe | .16 |
| Coil Cup | .60 | Ell or Tee, Mall. .. | .12 | Wire for Coil | .10 |
| Top Plate | .40 | Ell, Brass | .20 | Burner | .20 |
| Handle | .50 | Tee, " | .30 | Bulb | .70 |
| Valve | .90 | Plug | .12 | Brass Pump for No. 20 .. | 1.00 |
| Air Valve | .60 | ..... | ... | ..... | .... |

FIRE POT REPAIRS



| Description | Each | Description | Each | Description | Each |
|-------------------------|------|-----------------|------|-------------------------|------|
| Filler Plug | .30 | Swivel | 1.00 | Pump for Fire Pot | 1.00 |
| " | .50 | Air Valve | .50 | " Collar | .20 |
| Burner and Swivel | 4.00 | ..... | .... | ..... | .... |

PUMP REPAIRS



| Description | Each | Description | Each | Description | Each |
|---------------------------|------|---------------------|------|---------------------------|------|
| Cup Leathers | .06 | Springs | .02 | Plunger Rod Complete .. | .50 |
| Hexagon Nuts, Any Size .. | .02 | Cork Holder | .10 | Pump Complete | 1.00 |
| Pump Caps | .10 | Spring Plates | .10 | " Collar | .20 |
| Plunger Knobs | .10 | Plunger Rod | .20 | 1 Set Cups and Washers .. | .10 |
| Cork Washers | .02 | ..... | .... | ..... | .... |

PACKINGS

CLOTH INSERTION



Fig. H-1625

RAINBOW



Fig. H-1626

CLOTH INSERTION SHEET PACKING. Cloth one or both sides. Made in rolls 36 inches wide, $\frac{1}{64}$, $\frac{1}{32}$, $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch thick. Price, per pound, .60.

RAINBOW PACKING. Especially adapted for very high pressure. Will not harden or blow out. Not affected by oils, ammonia, liquors, steam, heat or alkalis. In rolls of about 200 lbs. each. Standard width, 36 inches; $\frac{1}{32}$, $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch thick. Price, per lb., 1.00.

JUTE PACKING



Fig. H-1627

OAKUM



Fig. H-1628

WASTE

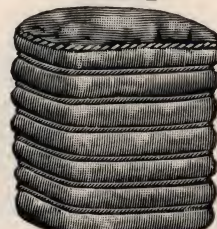


Fig. H-1629

| | | |
|--|-----------|------|
| Price, Jute Packing, in 100-pound Coils..... | per pound | .10 |
| " Plumbers' Oakum, in 50-pound Bales | per bale | 2.50 |
| " " Rope Oakum, in 100 pound Coils..... | per pound | .10 |

COTTON WASTE

| Grade..... | No. 1 White | No. 2 White | No. 1 Col. | No. 2 Col. | No. 3 Col. |
|-------------------------------|-------------|-------------|------------|------------|------------|
| Price, 100 lb. Bales, per lb. | .20 | .18 | .12 | .10 | .08 |

ASBESTOS ROPE

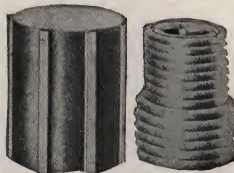


Fig. H-1630

ASBESTOS WICK



Fig. H-1631

CANDLE WICK



Fig. H-1632

| | |
|--|-----|
| Price, Asbestos Rope, Braided or Standard Twist, Reels of 10, 15, 25 and 50 lbs., per lb. | .50 |
| " " Wick, Standard Grade, $\frac{1}{4}$, $\frac{1}{2}$ and 1-lb. Balls, 5 and 10-lb. Spools " | .50 |
| " Candle " $\frac{1}{8}$ and $\frac{1}{4}$ -pound Balls. | .30 |

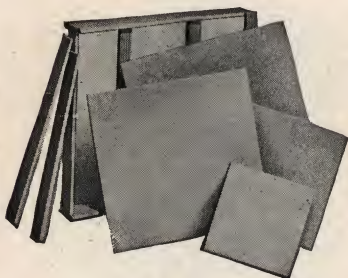
ASBESTOS MILLBOARD, PAPER, ETC.**ASBESTOS SHEET
MILLBOARD**

Fig. H-1633

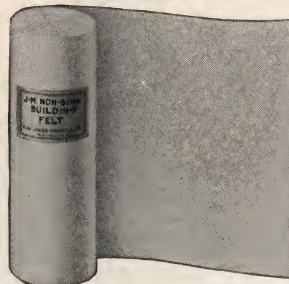
ASBESTOS PAPER

Fig. H-1634

ASBESTOS SHEET MILLBOARD

Especially adapted for fireproof lining of floors, partitions, etc. Also for packings, fire screens, linings for ranges, stoves, grates, gas backs, etc.

| | | | | | | | | |
|------------------------------|----------------|----------------|----------------|---------------|----------------|---------------|---------------|---------------|
| Thickness..... | $\frac{1}{32}$ | $\frac{1}{16}$ | $\frac{3}{32}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Weight, per Sheet.....pounds | 2 | 4 | 6 | 8 | 12 | 14 | 23 | 27 |

Price, standard sheets 40x40, or 42x44 inches, per pound, 10 cents.

ASBESTOS PAPER

This is a fireproof material especially adapted for fireproof construction because of its high heat-resisting qualities. It is used for lining side walls, floors, wood partitions, covering heater pipes, etc. Will not disintegrate, is odorless and vermin-proof. Put up in rolls, 36 inches wide, weighing approximately 100 pounds each. Price, 6 to 30 pounds, per 100 square feet ($\frac{1}{10}$ to $\frac{1}{16}$ inch), 6 cents per pound.

ASBESTOS CEMENT

Fig. H-1635

MINERAL WOOL

Fig. H-1636

ASBESTOS CEMENT

| | | |
|---------------------------------------|---------|------|
| Asbestos Cement, 100 pound bags | per bag | 2.50 |
|---------------------------------------|---------|------|

A bag of cement will cover surfaces as follows: Asbestos cement, 25 square feet, 1 inch thick.

MINERAL WOOL

| | | |
|--|-----------|-------|
| Price in Sacks, Weighing about 50 pounds | per pound | .04 |
| " " Bulk | per ton | 50.00 |
| " Sacks extra | each | .15 |

The amount charged for sacks will be refunded on their return, freight charge prepaid. Mineral wool weighs from eight to nine pounds per cubic foot; $\frac{3}{4}$ pound will cover 1 square foot, 1 inch thick.

SECTIONAL PIPE COVERINGS

ASBESTOS MOLDED

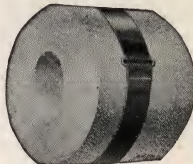


Fig. H-1637

85 PER CENT MAGNESIA

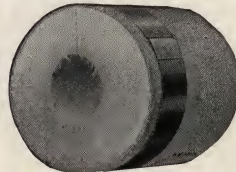


Fig. H-1638

AIR CELL

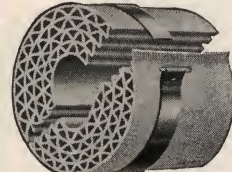


Fig. H-1639

WOOL FELT

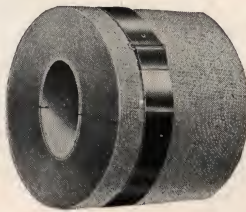


Fig. H-1640

ZERO

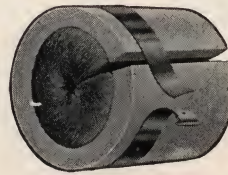


Fig. H-1641

Asbestos Molded, for medium steam pressures and heating pipes. 85 Per Cent Magnesia, for high pressure and superheated steam pipes. Air Cell, for medium steam pressures and heating pipes. Wool Felt, asbestos lined for low pressure steam and hot water heating systems. Tar Paper lined for cold water pipes. Zero, to protect pipes from freezing.

| Style..... | Asbestos Molded | 85 Per Cent Magnesia | Air Cell | Wool Felt | Zero |
|-------------------------------------|-----------------|----------------------|-----------------------------------|-----------------------------------|----------------|
| Furnished in Thicknesses.....inches | 1 | 1 to 3 | $\frac{1}{2}$ to 3 | $\frac{1}{2}$, $\frac{3}{4}$, 1 | $1\frac{1}{4}$ |
| Standard Thicknesses....." | 1 | 1 | $\frac{1}{2}$, $\frac{3}{4}$, 1 | $\frac{1}{2}$ and $\frac{3}{4}$ | $1\frac{1}{4}$ |

SECTIONAL PIPE AND FITTING COVERINGS—STANDARD THICKNESS

| Inside Diameter of Pipe.....inches | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ |
|------------------------------------|---------------|----------------|------|----------------|----------------|------|----------------|------|----------------|
| Price, Covering.....per foot | .22 | .24 | .27 | .30 | .33 | .36 | .40 | .45 | .50 |
| " Elbow Covers.....each | .30 | .30 | .30 | .30 | .30 | .36 | .42 | .48 | .54 |
| " Tee "....." | .36 | .36 | .36 | .36 | .36 | .42 | .48 | .54 | .60 |
| " Cross "....." | .48 | .48 | .48 | .48 | .48 | .54 | .60 | .70 | .80 |
| " Valve "....." | .54 | .54 | .54 | .54 | .54 | .60 | .78 | .96 | 1.20 |
| Inside Diameter of Pipe.....inches | 4 | $4\frac{1}{2}$ | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Price, Covering.....per foot | .60 | .65 | .70 | .80 | 1.00 | 1.10 | 1.20 | 1.30 | 1.85 |
| " Elbow Covers.....each | .60 | .72 | .90 | 1.30 | 1.80 | 2.40 | 3.00 | 3.60 | .... |
| " Tee "....." | .75 | .90 | 1.20 | 1.60 | 2.20 | 3.00 | 3.80 | 4.60 | .... |
| " Cross "....." | .95 | 1.10 | 1.50 | 2.00 | 2.80 | 3.60 | 4.40 | 5.20 | .... |
| " Valve "....." | 1.50 | 1.85 | 2.25 | 2.80 | 3.60 | 4.40 | 5.30 | 6.20 | .... |
| Inside Diameter of Pipe.....inches | 14 | *16 | 18 | 20 | 24 | 30 | .... | .... | .... |
| Price, Covering.....per foot | 2.10 | 2.35 | 2.60 | 2.85 | 3.30 | 4.00 | .... | .... | .... |

*All magnesia coverings above 14 inches furnished in segmental form.

PIPE JOINT CEMENTS

MEXICAN GRAPHITE



Fig. H-1642

CRANE

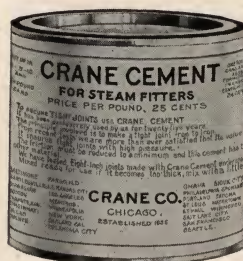


Fig. H-1643

SMOOTH-ON

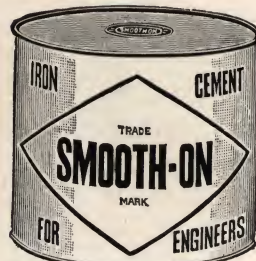


Fig. H-1644

U. S. MEXICAN GRAPHITE

Used by engineers, plumbers, gas and steam fitters for dry steam pipe joints, gaskets, man and hand hole plates, stay bolts, etc.

A compound suited to all kinds of joints, threaded or flanged, having for its base pure Mexican graphite, which is wholly unaffected by water, heat, cold or chemical action of any nature. Connections on which it is used can be easily detached at any time without the slightest injury to threads or tools, for unlike red lead it never "sets hard." Prevents rust and assures an absolutely air and water tight joint.

Packaged and sold as follows:—

| | | |
|--|---------|-----|
| Price, 1-lb. Friction Top Tin Cans, 36 Cans in Case..... | per can | .20 |
| " 5-lb. Friction Top Tin Pails, 20 Pails in Case..... | per lb. | .18 |
| " 12½-lb. Tin Pails, 8 Pails in Case..... | " | .16 |
| " 25-lb. Tin Pails, 4 Pails in Case..... | " | .15 |
| " 100-lb. Tin Cans, 1 Can in Case..... | " | .14 |

CRANE

Superior to red or white lead and much more economical, being double in bulk. Produces less friction, and joints can be made more solid with it than with any other make of cement. At 1000 pounds air pressure makes an absolutely tight joint.

| | | |
|---------------------------------------|---------|-----|
| Price, 1-pound Cans, 24 in Case | per can | .25 |
|---------------------------------------|---------|-----|

SMOOTH-ON IRON CEMENT No. 1 AND No. 2

IN BLUE LABELED CANS—FOR ENGINEERS

No. 1 is quick hardening. No. 2 is slow hardening, and hydraulic.

These cements are made especially in powder form for repairing leaks and breaks in castings and for making connections in steam or hydraulic work. It withstands fire, water, steam or petroleum and very high pressures. Applied as a paste or putty to cold metal. Expansion and contraction when hard the same as cast iron.

SMOOTH-ON ELASTIC CEMENT

IN GREY LABELED CANS—FOR ENGINEERS

A plastic iron cement, especially prepared in paste form for use on all seams of boilers or tanks to stop leaks; also for repairing fine cracks, for making screw-thread joints and for boiler patching, in combination with Smooth-On Iron Cement No. 1. Applied as a paint, paste or putty to hot or cold metal.

SMOOTH-ON RIVET IRON CEMENT

IN WHITE LABELED CANS—FOR BRIDGE AND SHIP WORK

An iron cement in putty form for filling up rivet heads, seams, cracks and uneven places in iron or steel, to make a smooth, hard surface for painting. This cement withstands temperature changes and salt water.

| | | |
|---|---------|-----|
| Price, Smooth-On Iron Cement Nos. 1 and 2 in 1, 5, 10 and 25-lb. Tins.... | per lb. | .50 |
| " " " Elastic Cement in 1, 5, 10 and 25-lb. Tins..... | " | .50 |
| " " " Rivet Iron Cement in 10-lb. Cans..... | " | .50 |

Discounts quoted on all the above on any specified quantity.

CEMENTS, ETC.**HOSMER PIPE JOINT PASTE****NOKORODE SOLDERING PASTE****GUMBO CEMENT****PORCELA**

Fig. H-1645



Fig. H-1646



Fig. H-1647



Fig. H-1648

HOSMER PIPE JOINT PASTE

| | | | | | |
|----------------------------|-----|-----|-----|-----|-----|
| Size of Package.....pounds | 1 | 5 | 10 | 25 | 50 |
| Price.....per pound | .30 | .27 | .25 | .22 | .20 |

NOKORODE SOLDERING PASTE

| | | | | | |
|-----------------------------|---------------|------|-------|-------|-------|
| Capacity of Cans.....pounds | $\frac{1}{8}$ | 1 | 10 | 25 | 50 |
| Price.....per can | .25 | 1.00 | 10.00 | 22.50 | 45.00 |

GUMBO CEMENT

| | | | | | |
|-----------------------------|-----|-----|------|------|------|
| Capacity of Cans.....pounds | 2 | 4 | 8 | 25 | 50 |
| Price.....per can | .35 | .70 | 1.35 | 3.70 | 7.00 |

PORCELA

For cleaning porcelain, enameled ware, woodwork, brass, silver, etc., and removing ink, paint and grease from the hands. Contains no grit, acid or potash.

| | | | |
|-----------------------------|---------------|------|-------|
| Size of Packages.....pounds | $\frac{1}{2}$ | 1 | 5 |
| Number of Packages to Case | 24 | 24 | 12 |
| Price.....per case | 3.00 | 5.60 | 11.10 |

PUTTY**PREPARED SOIL****GAS FITTERS' CEMENT**

Fig. H-1649



Fig. H-1650



Fig. H-1651

GAS FITTERS' CEMENT

| | |
|-------------------------------------|------|
| Price, in 5-pound Packages.....each | 1.00 |
|-------------------------------------|------|

PUTTY

| | | | | | |
|----------------------|----------------------------|-------------|-------------|--------------|----------------|
| Size of Package..... | 12 $\frac{1}{2}$ -lb. Cans | 25-lb. Cans | 50-lb. Cans | 100-lb. Cans | 5-lb. Bladders |
| Price.....per pound | .06 | .06 | .05 | .05 | .10 |

PREPARED SOIL

| | |
|--------------------|-----|
| Price.....per pint | .20 |
| ".....per quart | .35 |

CLEANERS, CEMENTS, ETC.

SANI-FLUSH



Fig. H-1652

DESOLVO

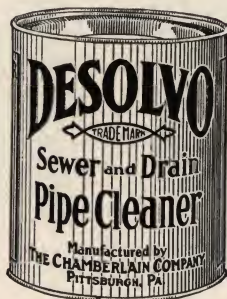


Fig. H-1653

SUPERIOR CLEANSER



Fig. H-1654

SANI-FLUSH

Cleans the entire closet bowl—the seen and the unseen parts. It keeps the bowl white as new, sanitary and odorless. Shake into the closet bowl and leave for several hours, and it dissolves the incrustations in the trap, so that it washes out when closet is flushed. Cannot injure the bowl or connections.

Price, 28-ounce Can25

DESOLVO

Cleans clogged pipes. It is a combination of mineral elements, so intermingled that upon its mixture with water, a chemical reaction takes place, generating intense heat and powerful gases. When poured into an obstructed sewer pipe will disintegrate and liquify the obstruction. Contains no acids and will not injure plumbing fixtures or connections.

Price.....per can80

SUPERIOR CLEANSER

Will remove dirt, grease, rust stains, etc., from enameled iron ware without any injurious effects and does not destroy the lustre of fixtures. Sift a small quantity on a damp cloth and apply to enameled surface.

Price, ½-lb. Cans, 2 dozen per Case..... 4.80
 “ 1 “ “ 2 “ “ “ 8.80

BLUE SEAL DRAIN PIPE SOLVENT

Removes stoppages in drains, bath tubs, kitchen sinks, slop sinks, urinals and water closets.

Destroys accumulations of lint, cloth, hair, grease, vegetable matter. Will not affect wood, glass or metal. Put up in 2-pound cans.

Price.....per can 1.00

LIQUID TILING

A substitute for tiles and enamel. It covers with a white finish and when thoroughly dry presents a hard wearing surface which retains its gloss indefinitely. Withstands frequent washings and withstands external moisture and condensation. Made in three grades. Prices on application.

IRON FILLER CEMENT

An excellent cement for repairing leaks and breaks in castings, tanks, boilers, etc. Put up in 1-lb., 5-lb. and 10-lb. cans. Prices, net.

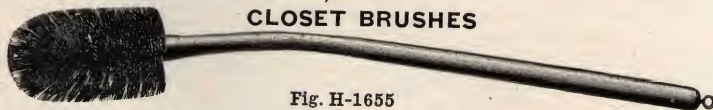
CLOSET BRUSHES

Fig. H-1655

Brush part, 3½ inches diameter, 6½ inches long. Made with straight or curved handle. Length over all, 30 inches.

Price, Straight Handle.....per dozen 5.00
 “ Curved “ “ 6.00

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